

Query Match	100.0%;	Score 994;	DB 2;	length 994;
Best Local Similarity	100.0%;	Pred. No. 8e-225;		
Matches 994;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

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DB 361 CGATGCTGGGGGCGCTGCGCGGAGCCGCTGAGAGACTGGGCGCATCGCATGTCG 420
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QY 481 CGGGGAGAGTCCCTCAGACATCCCGCATTTGAAGAACGAGAGGCTGAGAGAACTCG 540
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QY 541 GGAACCTTAGATATGATGATGATGATGATGATGATGATGATGATGATGATGATG 600
DB 541 GGAACCTTAGATATGATGATGATGATGATGATGATGATGATGATGATGATGATG 600
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DB 601 CCAACCCGCTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 660
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QY 721 TTCTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 780
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DB 961 AATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 994

RESULT 2
US-08-306-511A-1
; Sequence 1, Application US/08306511A

Patent No. 5962316
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and uses
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/306,511A
; FILING DATE: 14-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: CSI-001CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 994 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 41..508
; US-08-306-511A-1
Query Match 100.0%; Score 994; DB 2; Length 994;
Best Local Similarity 100.0%; Pred. No. 8e-225;
Matches 994; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGGAGAGGGGAGAACAGAACGGGGGGGAGCAGCATGATCCGGCGGGGAG 60
DB 1 CGGAGAGGGGAGAACAGAACGGGGGGGAGCAGCATGATCCGGCGGGGAG 60
QY 61 CAGCATGAGAGCCTTCCGCTGACTGCTGGCCACAGCGCGCGCGGCTGGAGAGA 120
DB 61 CAGCATGAGAGCCTTCCGCTGACTGCTGGCCACAGCGCGCGCGGCTGGAGAGA 120
QY 121 GGTGCGGGGCGCTGCTGAGAGCGGCTGGCGCTGCCCAACGACCAATGATTAGCTGGAG 180
DB 121 GGTGCGGGGCGCTGCTGAGAGCGGCTGGCGCTGCCCAACGACCAATGATTAGCTGGAG 180
QY 181 GCGCATCCAGGTATGATGATGATGATGATGATGATGATGATGATGATGATGATG 240
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QY 241 CGCGGAGGCCCACTGCGCGGAGCCCGCCCACTCTCACCCGACCGGTGACAGCGTGGCCG 300
DB 241 CGCGGAGGCCCACTGCGCGGAGCCCGCCCACTCTCACCCGACCGGTGACAGCGTGGCCG 300
QY 301 GAGAGGCTTCTGAGACAGCTGTGTGCTGACCGCGCGCGCGCGGCTGGAGCTGGC 360
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Mon Aug 27 09:42:29 2001

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Page 3

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Qy	541	GGAACCTTAACATCAGTACGACCGAAGGTCTACAGAGGCCAACAACTGCCCGGCACAC	600
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Qy	601	CGACCGCGCTTGCTGATGTTTCATTGTAAGAAATTAAGCTTTTAAAAATGCTCGCTTT	660
Db	601	CGACCGCGCTTGCTGATGTTTCATTGTAAGAAATTAAGCTTTTAAAAATGCTCGCTTT	660
Qy	661	AACGTAGATTTAAGCCTTCCGCCACTACCGTAAATGTCCATTTATATATATATATA	720
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Qy	781	TCTGATGAGCAGCTCAGCGCCCTAAGGCGCATTATGTGGGCAATTTCTTGGAGCTCG	840
Db	781	TCTGATGAGCAGCTCAGCGCCCTAAGGCGCATTATGTGGGCAATTTCTTGGAGCTCG	840
Qy	841	CAGCCTCGGAAGCTGTGCAGCTTATGACAAGCAATTTTGTAACTAGGGAAGCTAGGG	900
Db	841	CAGCCTCGGAAGCTGTGCAGCTTATGACAAGCAATTTTGTAACTAGGGAAGCTAGGG	900
Qy	901	GGTATACGCGTTCTCTTGAGTACACATGCTAGAGAAATGGCAAGCCAAAGCTCAATATA	960
Db	901	GGTATACGCGTTCTCTTGAGTACACATGCTAGAGAAATGGCAAGCCAAAGCTCAATATA	960
Qy	961	AATTAATTTTTCATTTCATTCCTAAAAAA 994	
Db	961	AATTAATTTTTCATTTCATTCCTAAAAAA 994	

RESULT 3
 US-08-893-274-1
 : Sequence 1, Application US/08893274
 : Patent No. 5968821
 : GENERAL INFORMATION:
 : APPLICANT: Beach, David H.
 : APPLICANT: Demetrick, Douglas J.
 : APPLICANT: Serrano, Manuel
 : APPLICANT: Hannon, Gregory J.
 : TITLE OF INVENTION: Cell-Cycle Regulatory Proteins
 : TITLE OF INVENTION: and Uses Related Thereto
 : NUMBER OF SEQUENCES: 10
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: FOLEY, HOAG & ELIOT LLP
 : STREET: One Post Office Square
 : CITY: Boston
 : STATE: MA
 : COUNTRY: USA
 : ZIP: 02109
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: ASCII(text)
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/893,274
 : FILING DATE: 15-JULY-1997
 : CLASSIFICATION: 800
 : PRIOR APPLICATION DATA:

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1  APPLICATION NUMBER: US 08/306,511
2  FILING DATE: 14-SEPTEMBER-1994
3  PRIOR APPLICATION DATA:
4  APPLICATION NUMBER: US 08/248,812
5  FILING DATE: 25-MAY-1994
6  PRIOR APPLICATION DATA:
7  APPLICATION NUMBER: US 08/227,371
8  FILING DATE: 14-APRIL-1994
9  PRIOR APPLICATION DATA:
10 APPLICATION NUMBER: US 08/154,915
11 FILING DATE: 18-NOVEMBER-1993
12 PRIOR APPLICATION DATA:
13 APPLICATION NUMBER: US 07/991,997
14 FILING DATE: 17-DECEMBER-1992
15 PRIOR APPLICATION DATA:
16 APPLICATION NUMBER: US 07/963,308
17 FILING DATE: 16-OCTOBER-1992
18 ATTORNEY/AGENT INFORMATION:
19 NAME: Vincent, Matthew P.
20 REGISTRATION NUMBER: 36,709
21 REFERENCE/DOCKET NUMBER: M1-071.09
22 TELECOMMUNICATION INFORMATION:
23 TELEPHONE: (617) 832-1000
24 TELEFAX: (617) 832-7000
25 INFORMATION FOR SEQ ID NO: 1:
26 SEQUENCE CHARACTERISTICS:
27 LENGTH: 994 base pairs
28 TYPE: nucleic acid
29 STRANDEDNESS: both
30 TOPOLOGY: linear
31 MOLECULE TYPE: cDNA
32 FEATURE:
33 NAME/KEY: CDS
34 LOCATION: 41..508
35 US-08-893-274-1

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Query Match	Similarity	100.0%	Score	994:	DB 2:	Length	994:
Best Local	Similarity	100.0%	Prod. No.	8e-225:			
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							Gaps
							0:
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Db	61	CACATGAGAGCTTTCGGCTGACTGCTGTGGCCACGGCCCGCGGGGTGAGAGA	120				
Qy	121	GGGCGGGGCGGTGGGAGGCGGTGGCGGTGGCCACGACCGCATAGTTCAGGCGGAG	180				
Db	121	GGGCGGGGCGGTGGGAGGCGGTGGCGGTGGCCACGACCGCATAGTTCAGGCGGAG	180				
Qy	181	GCCGATCCAGGTCATGATGATGGGGCAGGCCCGAGTGGCGGAGCTCTGCTCTCCAGG	240				
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Qy	241	CGGAGAGCCCAACTGCGCGCGACCCCGCCACTCTCACCCGAGCCGTCACAGCGCTGCCG	300				
Db	241	CGGAGAGCCCAACTGCGCGCGACCCCGCCACTCTCACCCGAGCCGTCACAGCGCTGCCG	300				
Qy	301	GGAGGGCTTCCGAGCAGCGTGTGTGCTGTGACCGGGGCGCGCGCTGGAGCTGCG	360				
Db	301	GGAGGGCTTCCGAGCAGCGTGTGTGCTGTGACCGGGGCGCGCGCTGGAGCTGCG	360				
Qy	361	CGATGCTCGGGGCGCTGCGCGCTGGACCTGGGCTGAGAGCTGGGCAATCGGAGTTCG	420				
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Qy	421	AGGCTACTCGCGCGGCTCGGGGGGCAACAGAGGCAGTACCAATGCCGCATAGATGC	480				
Db	421	AGGCTACTCGCGCGGCTCGGGGGGCAACAGAGGCAGTACCAATGCCGCATAGATGC	480				

QY 541 GGAACCTTATGATCAGTACGACGAGAGTCTCTACAGGCGCCACACTGCCCGCCACAC 600
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RESULT 5

US-08-346-147B-1
Sequence 1, Application US/08346147B
Patent No. 6211334
GENERAL INFORMATION:
APPLICANT: Beach, David H.
APPLICANT: Demetrick, Douglas J.
APPLICANT: Serrano, Manuel
TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley, Hoag & Eliot
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPad
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/346,147B
FILING DATE: 29-NOV-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,371
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/154,915
FILING DATE: 18-NOV-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-071.04
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1299
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 994 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 41..508
US-08-346-147B-1
Query Match 100.0%; Score 994; DB 4; Length 994;
Best Local Similarity 100.0%; Pred. No. 8e-225;
Matches 994; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGGAGAGGGGAGACAGACAGCGGGGAGAGCAGCATGATCCGGGCGGGAG 60
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; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 151
; OTHER INFORMATION: /note= "Splice site acceptor."
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 458
; OTHER INFORMATION: /note= "Splice site acceptor."
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US-08-474-177-36
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Query Match          94.9%; Score 943.8; DB 1; Length 947;
Best Local Similarity 99.8%; Pred. No. 4.9e-213;
Matches 945; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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DB 361 CTGGGCGCATCGAGATGTCTGACAGTACCTGCGCGGCGGTGCGGGGGGACACAGAGGAGT 420
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QY 461 AACCATGCGCGCATGATGATGCGCGAGAGTCCCTCAGACATCCCGGATTTGAAGAAGCAG 520
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DB 421 AACCATGCGCGCATGATGATGCGCGAGAGTCCCTCAGACATCCCGGATTTGAAGAAGCAG 480
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QY 521 AGAGGCTGAGAGAACCTGCGGGAACCTTGAATCATCATGACGAGAGGTCTCTACAGGGCC 580
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DB 781 GGCATTTCTTGCAGGCTCGCAGGCTCCGGAAGTGTGAGCTCATGACAAGCATTTTGT 840
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DB 901 AGAACCAAGCTCAATAATAATAATTTATTTTCATTCATTCACCTC 947
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RESULT 10
US-08-487-033-36
; Sequence 36, Application US/08487033
; Patent No. 5739027
; GENERAL INFORMATION:
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS1E1-Beta GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,033
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03316
; FILING DATE: 17-MAR-1995
; APPLICATION NUMBER: US 08/251,938
; FILING DATE: 01-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/215,087
; FILING DATE: 18-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/215,086
; FILING DATE: 18-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,369
; FILING DATE: 14-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/214,582
; FILING DATE: 18-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-109348-C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 947 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
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LOCATION: 151
OTHER INFORMATION: /note= "splice site acceptor."
FEATURE:
NAME/KEY: misc_feature
LOCATION: 458
OTHER INFORMATION: /note= "splice site acceptor."
US-08-487-033-36

Query Match 94.9%; Score 943.8; DB 1; Length 947;
Best Local Similarity 99.8%; Pred No. 4.9e-213;
Matches 945; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

41 ATGGATCCGGGCGGGGAGACACATGAGCCCTTGGCTGACTGCTGGCCACAGCCGG 100
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101 GCGGGGGGTGGGTAGAGAGAGTGGGGGCTGGTGGAGGGGGTGGGGTGGCCACAGCA 160
61 GCGGGGGGTGGGTAGAGAGAGTGGGGGCTGGTGGAGGGGGTGGGGTGGCCACAGCA 120
161 CCGAATAGTTACGCTGGAGCGCATGATGATGATGATGATGATGATGATGATGATGAT 220
121 CCGAATAGTTACGCTGGAGCGCATGATGATGATGATGATGATGATGATGATGATGAT 180
221 GAGCTGCTGCTGCACAGCGCGGGAGCCCACTGGCGCGGACCCCGCACTGACCCGA 280
181 GAGCTGCTGCTGCACAGCGCGGGAGCCCACTGGCGCGGACCCCGCACTGACCCGA 240
281 CCGCTGACACAGCGCTGGCGGGAGGGGCTGCTGGACAGCGTGGTGGTGGACCGGGCC 340
241 CCGCTGACACAGCGCTGGCGGGAGGGGCTGCTGGACAGCGTGGTGGTGGACCGGGCC 300
341 GGGGCGGGGCTGAGAGCTGGCGGATGCTGGGGCGGCTGGCGGCTGGAGCTGAGAGAG 400
301 GGGGCGGGGCTGAGAGCTGGCGGATGCTGGGGCGGCTGGCGGCTGGAGAGAG 360
401 CTGGGCGCATCGCATGTCGACAGCTGCTGGCGGGGCTGGCGGGGCGGACAGAGGAGT 460
361 CTGGGCGCATCGCATGTCGACAGCTGCTGGCGGGGCTGGCGGGGCGGACAGAGGAGT 420
461 AACCATGCGCGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 520
421 AACCATGCGCGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 480
521 AGAGGCTCTGAGAAACCTCGGGAACTTATGATCATGATCATGATCATGATCATGATCAT 580
481 AGAGGCTCTGAGAAACCTCGGGAACTTATGATCATGATCATGATCATGATCATGATCAT 540
581 ACAACTGCGCGCGCGCACAAACCGCGCTTGTAGTATGATGATGATGATGATGATGATGAT 640
541 ACAACTGCGCGCGCGCACAAACCGCGCTTGTAGTATGATGATGATGATGATGATGATGAT 600
641 TTAATAATGCTCTGCTTTTAACTAGATATAGCTTCCCACTACCTGTAATGTTCCA 700
601 TTAATAATGCTCTGCTTTTAACTAGATATAGCTTCCCACTACCTGTAATGTTCCA 660
701 TTTATATCATTTTTTATATATTTCTTATATAAATGTAATAAAGAAACACCGGCTTGGCC 760
661 TTTATATCATTTTTTATATATTTCTTATATAAATGTAATAAAGAAACACCGGCTTGGCC 720
761 TTTTCACTGCTGTTGAGATTTTCTGAGTGAAGTACAGCCCTTAAGCCACATTCATGTG 820
721 TTTTCACTGCTGTTGAGATTTTCTGAGTGAAGTACAGCCCTTAAGCCACATTCATGTG 780
821 GGCATTCTTTCGAGAGCTTCGAGCTCCGGAAGTGTGATCTCATGACCAAGCATTTTGT 880
781 GGCATTCTTTCGAGAGCTTCGAGCTCCGGAAGTGTGATCTCATGACCAAGCATTTTGT 840
881 GAACATGAGGAAGTCAAGGGGGTACTGGCTTCTGATGATGATGATGATGATGATGATGAT 940
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QY 941 AGAACCAAGCTCAATATAAATAATATTTTTCATTCATTCACCTC 987
DB 901 AGAACCAAGCTCAATATAAATAATATTTTTCATTCATTCACCTC 947

RESULT 11
US-08-480-810-36
Sequence 36, Application US/08480810
Patent No. 5601236
GENERAL INFORMATION:
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS1 GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480, 810
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251, 938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215, 087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215, 086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214, 582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Imnen, Jeffrey L.
REGISTRATION NUMBER: 28, 957
REFERENCE/DOCKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 947 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
MOLECULE TYPE: linear
TOPOLOGY: linear
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 151
OTHER INFORMATION: /note= "splice site acceptor."
FEATURE:
NAME/KEY: misc_feature
LOCATION: 458
OTHER INFORMATION: /note= "splice site acceptor."

US-08-480-810-36

Query Match 94.9%; Score 943.8; DB 1; Length 947;
 Best Local Similarity 99.8%; Pred. No. 4.9e-213;
 Matches 945; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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OY 41 ATGATCCGGGGGGGAGCAGCATGAGACCTTGGCTGACTGCTGCTGAGCCAGGCGCG 100
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DB 1 ATGAGACCGGGGGGAGCAGCATGAGACCTTGGCTGACTGCTGAGCCAGGCGCG 60
OY 101 GCCCGGGGCTGGAGAGAGGTGCGGGCGCTGCTGAGAGCGGCTGCGCCCAACGCA 160
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DB 61 GCCCGGGGCTGGAGAGAGGTGCGGGCGCTGCTGAGAGCGGCGCTGCGCCCAACGCA 120
OY 161 CCGAATAGTTACGGTGGAGAGCGCATCCAGTATGATATGAGAGAGCGCCGAGTGGCG 220
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DB 121 CCGAATAGTTACGGTGGAGAGCGCATCCAGTATGATATGAGAGAGCGCCGAGTGGCG 180
OY 221 GAGCTGCTGCTGCTCAGCGGGGAGAGCCCAACTGCGCCGACCCCGCAGCTCTCACCCGA 280
    |||||
DB 181 GAGCTGCTGCTGCTCAGCGGGGAGAGCCCAACTGCGCCGACCCCGCAGCTCTCACCCGA 240
OY 281 CCCGTGACAGCAGCTGCGCGGGAGAGGCTTCTGAGACAGCTGTGTGCTGACAGCGGCGC 340
    |||||
DB 241 CCCGTGACAGCAGCTGCGCGGGAGAGGCTTCTGAGACAGCTGTGTGCTGACAGCGGCGC 300
OY 341 GGGGCGGGGCTGAGACGTGCGCGCATGCTGGGGCGCTCTCGCTGGAGCTGGCTGAGAG 400
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DB 301 GGGGCGGGGCTGAGACGTGCGCGCATGCTGGGGCGCTCTCGCTGGAGCTGGCTGAGAG 360
OY 401 CTGGGCGCATGCGCATGCTGCGACGCTGCGCGGCGCTGCGGGGGGACACAGAGGCGCT 460
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DB 361 CTGGGCGCATGCGCATGCTGCGACGCTGCGCGGCGCTGCGGGGGGACACAGAGGCGCT 420
OY 461 AACCATGCGCGCATGAGATGCGGGGAGAGGCTCTGAGACATCCCGCATTTGAAGAAGCAG 520
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DB 421 AACCATGCGCGCATGAGATGCGGGGAGAGGCTCTGAGACATCCCGCATTTGAAGAAGCAG 480
OY 521 AGAGGCTCTGAGAAACCTGCGGAACTTATGATATGATGATGATGATGATGATGATGAT 580
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DB 481 AGAGGCTCTGAGAAACCTGCGGAACTTATGATATGATGATGATGATGATGATGATGAT 540
OY 581 ACAACTGCGCGCGCGCACACACCCCGCTTGTGATTTTCAATTAGAAATGAGGCT 640
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DB 541 ACAACTGCGCGCGCGCACACACCCCGCTTGTGATTTTCAATTAGAAATGAGGCT 600
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OY 701 TTTATATCATTTTATATATCTTATATTAATTAATTAATTAATTAATTAATTAATTAAT 760
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DB 781 GGCATTTCTTGGAGCTGCGAGCTCCGAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
OY 881 GAACATGAGGAGCTCAGAGGGGCTTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 940
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DB 901 AGAACCAAGTCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 947
  
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RESULT 12

US-08-508-735-36

; Sequence 36; Application US/08508735

; Patent No. 3643756

; GENERAL INFORMATION:

; APPLICANT: Stone, Steven

; APPLICANT: Jiang, Ping

; APPLICANT: Kamp, Alexander

; TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF

; NUMBER OF SEQUENCES: 47

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

; STREET: 1201 New York Avenue, Suite 1000

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/508,735

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US to be assigned

; FILING DATE: 07-JUN-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCJ/US95/03316

; FILING DATE: 17-MAR-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Inhen, Jeffrey L.

; REGISTRATION NUMBER: 28,957

; REFERENCE/DOCKET NUMBER: 24884-109348

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-962-4848

; TELEFAX: 202-962-8300

; INFORMATION FOR SEQ ID NO: 36:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 947 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHEICAL: NO

; ANTI-SENSE: NO

; ORIGINAL SOURCE:

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: 151

; OTHER INFORMATION: /note= "Splice site acceptor."

; NAME/KEY: misc_feature

; LOCATION: 458

; OTHER INFORMATION: /note= "Splice site acceptor."

; US-08-508-735-36

Query Match 94.9%; Score 943.8; DB 2; Length 947;
 Best Local Similarity 99.8%; Pred. No. 4.9e-213;
 Matches 945; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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OY 41 ATGATCCGGGGGGGAGCAGCATGAGACCTTGGCTGACTGCTGCTGAGCCAGGCGCG 100
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DB 1 ATGAGACCGGGGGGAGCAGCATGAGACCTTGGCTGACTGCTGAGCCAGGCGCG 60
OY 101 GCCCGGGGCTGGAGAGAGGTGCGGGCGCTGCTGAGAGCGGCTGCGCCCAACGCA 160
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Dp	181	GAGCTGCTGTCTCCACAGCGCGGGAGCCCACTGCGCCGACGCCACTCTCACCCGA	240
Qy	281	CCCGGCGACGACGCTGCCCGGGAGGGCTTCTTGACACGCTGGTGGTGTCTGCACCGGCC	340
Dp	241	CCCGGCGACGACGCTGCCCGGGAGGGCTTCTTGACACGCTGGTGGTGTCTGCACCGGCC	300
Qy	341	GGGGCGCGGCTGGACGTCGCGGATGCGCTGGGGGCCCTGCGCCCGGAGCMCGCTGAGAG	400
Dp	301	GGGGCGCGGCTGGACGTCGCGGATGCGCTGGGGGCCCTGCGCCCGGAGCMCGCTGAGAG	360
Qy	401	CTGGGCGCATCGCGATGTGTCGACGCGTACCTGGCGCGCTCGCGGGGCGACACAGGAGT	460
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Qy	461	AACCATGCCCGCATAGATGCCGCGGGAGGTCCCTCAGACATCCCCGATGTAAGAACCA	520
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Dp	541	ACAAGTGGCCCCCGGCACACCAACCCCGCTTCGTACTTTTCATTATGAAATATAGACTT	600
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Dp	781	GGCATTTCTTGGCGAGCCTCGGAAGCTGTGCACTTCATGACAAAGCATTTTGT	840
Qy	881	GAACTAGAGGAAGCTCAGGGGGGTTACTGGCTTCTCTTGAGTCACTGCTAGCAAAATGGC	940
Dp	841	GAACTAGAGGAAGCTCAGGGGGGTTACTGGCTTCTCTTGAGTCACTGCTAGCAAAATGGC	900
Qy	941	AGAACCAAGCTCAAAATAAAAATTTTTCATCATCTTACATC	987
Dp	901	AGAACCAAGCTCAAAATAAAAATTTTTCATCATCTTACATC	947

RESULT 14
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 : Sequence 36, Application US/08486047
 : Patent No. 5994095
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT: Ramb, Alexander
 : TITLE OF INVENTION: MTS2 GENE
 : NUMBER OF SEQUENCES: 36
 : CORRESPONDENCE ADDRESS:
 :
 : ADDRESSEE: Venable, Baetjer, H
 : STREET: 1201 New York Avenue,
 : CITY: Washington
 : STATE: DC
 : COUNTRY: USA
 : ZIP: 20005
 :
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk

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1  COMPUTER: IBM PC compatible
2  OPERATING SYSTEM: PC-DOS/MS-DOS
3  SOFTWARE: PatentIn Release #1.0, Version #1.30
4  CURRENT APPLICATION DATA:
5  APPLICATION NUMBER: US/08/486,047
6  FILING DATE: 07-JUN-1995
7  CLASSIFICATION: 435
8  PRIOR APPLICATION DATA:
9  APPLICATION NUMBER: PCT/US95/03316
10 FILING DATE: 17-MAR-1995
11 PRIOR APPLICATION DATA:
12 APPLICATION NUMBER: US 08/251,938
13 FILING DATE: 01-JUN-1994
14 PRIOR APPLICATION DATA:
15 APPLICATION NUMBER: US 08/215,087
16 FILING DATE: 18-MAR-1994
17 PRIOR APPLICATION DATA:
18 APPLICATION NUMBER: US 08/215,086
19 FILING DATE: 18-MAR-1994
20 PRIOR APPLICATION DATA:
21 APPLICATION NUMBER: US 08/227,369
22 FILING DATE: 14-APR-1994
23 PRIOR APPLICATION DATA:
24 APPLICATION NUMBER: US 08/214,582
25 FILING DATE: 18-MAR-1994
26 ATTORNEY/AGENT INFORMATION:
27 NAME: Ihnen, Jeffrey L.
28 REGISTRATION NUMBER: 28,957
29 REFERENCE/DOCKET NUMBER: 24884-109348-B
30 TELECOMMUNICATION INFORMATION:
31 TELEPHONE: 202-962-4810
32 TELEFAX: 202-962-8300
33 INFORMATION FOR SEQ ID NO: 36:
34 SEQUENCE CHARACTERISTICS:
35 LENGTH: 947 base pairs
36 TYPE: nucleic acid
37 STRANDEDNESS: double
38 TOPOLOGY: linear
39 MOLECULE TYPE: cDNA
40 HYPOTHETICAL: NO
41 ANTI-SENSE: NO
42 ORIGINAL SOURCE:
43 ORGANISM: Homo sapiens
44 FEATURE:
45 NAME/KEY: misc_feature
46 LOCATION: 151
47 OTHER INFORMATION: /note="Splice site acceptor."
48 FEATURE:
49 NAME/KEY: misc_feature
50 LOCATION: 458
51 OTHER INFORMATION: /note="Splice site acceptor."
52 US-08-486-047-36
53
54 Query Match 94.9%; Score 943.8; DB 2; Length 947;
55 Best Local Similarity 99.8%; Pred. No. 4.9e-213;
56 Matches 945; Conservative 0; Mismatches 2; Indels 0; Gaps 0.
57
58 QY 41 ATGATGCCGGGGGGGAGAGCAGCATGAGAGCTTCGCTGACTGCTGGCCAGGCGCGG 100
59 Db 1 ATGGAGCGGGGGGGGGGAGAGCATGAGAGCTTCGCTGACTGCTGGCCAGGCGCGG 60
60 QY 101 GCCCGGGGTTAAGAGAGGTGCGGGGCGTGGTGAAGGCGGTGGGGCGGCCAAGCGA 160
61 Db 61 GCCCGGGGTTAAGAGAGGTGCGGGGCGTGGTGAAGGCGGTGGGGCGGCCAAGCGA 120
62 QY 161 CCGAATAGTTACGTCGAGAGCCGATCCAGGTCAATGATGATGATGGGACGCCGCCAGTAGTGGC 220
63 Db 121 CCGAATAGTTACGTCGAGAGCCGATCCAGGTCAATGATGATGATGGGACGCCGCCAGTAGTGGC 180
64 QY 221 GAGCTGCTGTGTCCACAGGCGCGAGCCCAACTGCGCCAGCCCGGCACTTTCACCCGA 280
65 Db 181 GAGCTGCTGTGTCCACAGGCGCGAGCCCAACTGCGCGCCAGCCCGGCACTTTCACCCGA 240

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QY 281 CCCGTCACGACGCTGCCCCGGGAGGGCTTCTGAGACACGCTGCTGCTGACACCGGGCC 340
DB 241 CCCGTCACGACGCTGCCCCGGGAGGGCTTCTGAGACACGCTGCTGCTGACACCGGGCC 300
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DB 421 AACCATGCCCCGATGATGCTGCGGAGGCTGCTGAGACATCCCGATTTGAACACAG 480
QY 521 AGAGGCTCTGAGAAACCTCGGGAACTTAGATCATCATCAGTACCGAAGTCTCTACAGGGCC 580
DB 481 AGAGGCTCTGAGAAACCTCGGGAACTTAGATCATCATCAGTACCGAAGTCTCTACAGGGCC 540
QY 581 ACACTGCCCCCGGACACACCCGCTTTCGAGTTCATTTAGAAATAGAGCTT 640
DB 541 ACACTGCCCCCGGACACACCCGCTTTCGAGTTCATTTAGAAATAGAGCTT 600
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DB 721 TTTTACAGTGTGAGTGTGCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 780
QY 821 GGCATTTCTTGGAGCTTCGACGCTCGGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 880
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DB 841 GAACAGGAGAGCTGAGGGGGGTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
QY 941 AGAACCAAGCTCAAAATATATATATATATATATATATATATATATATATATATATAT 987
DB 901 AGAACCAAGCTCAAAATATATATATATATATATATATATATATATATATATATATAT 947

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RESULT 15

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US-09-120-130-36
; Sequence 36, Application US/09120130
; Patent No. 6037462
; GENERAL INFORMATION:
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS1 GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/120,130
; FILING DATE:

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; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/480,810
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/251,938
; FILING DATE: 01-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/215,087
; FILING DATE: 18-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/215,086
; FILING DATE: 18-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US -08/227,369
; FILING DATE: 14-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/214,582
; FILING DATE: 18-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-109348
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 947 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: 151
; OTHER INFORMATION: /note= "splice site acceptor."
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: 458
; OTHER INFORMATION: /note= "splice site acceptor."
; US-09-120-130-36

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Query Match 94.9%; Score 943.8; DB 3; Length 947;
Best Local Similarity 99.8%; Prid. No. 4.9e-213;
Matches 945; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 41 ATGGATCGGGCGGGGAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 100
DB 1 ATGGAGCCGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 60
QY 101 GCCCGGGGTGCGGTAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 160
DB 61 GCCCGGGGTGCGGTAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
QY 161 CCGAATAGTACGGTCCGAGGCGGATCCAGTATGATGATGAGGAGGAGGAGGAGGAGG 220
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QY 221 GAGCTGCTGCTGCTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 280
DB 181 GAGCTGCTGCTGCTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 240
QY 281 CCCGTCACGACGCTGCCCCGGGAGGGCTTCTGAGACACGCTGCTGCTGCTGACACGGCC 340
DB 241 CCCGTCACGACGCTGCCCCGGGAGGGCTTCTGAGACACGCTGCTGCTGCTGACACGGCC 300
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Db 301 GGGGCGGGCTGGACGTGGCGCATGGCTGGGGCGCTGGCCGGTGGACCTGGCTGAGGAG 360
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Db 421 AACCATGCGCGCATGATGATGCGGGAAGGTCCCTCAGACATGCCGATTTGAAGAACG 480
QY 521 AGAGGCTCTAGAAACCTCGGGAACTAGATCATGTCACCGAAGGTCTTACAGGGCC 580
Db 481 AGAGGCTCTAGAAACCTCGGGAACTAGATCATGTCACCGAAGGTCTTACAGGGCC 540
QY 581 ACACGTGCGCGCGCAACCCCGCTTGGTAGTTCATTTAGAAATAGAGCTT 640
Db 541 ACACGTGCGCGCGCAACCCCGCTTGGTAGTTCATTTAGAAATAGAGCTT 600
QY 641 TTTAAATGTCTGCTTTTAAGTAGATATAAGCTTCCCGACTACCGTAATGTCCA 700
Db 601 TTTAAATGTCTGCTTTTAAGTAGATATAAGCTTCCCGACTACCGTAATGTCCA 660
QY 701 TTTATATCATTTTATATATTTCTTATAAATGTAAAAAGAAAAACCGCTTCTGCC 760
Db 661 TTTATATCATTTTATATATTTCTTATAAATGTAAAAAGAAAAACCGCTTCTGCC 720
QY 761 TTTTCACTGTGTGAGATTCTTGAGTAGACATCACGCCCTTAGCGCACATTCATGTG 820
Db 721 TTTTCACTGTGTGAGATTCTTGAGTAGACATCACGCCCTTAGCGCACATTCATGTG 780
QY 821 GGCATTTCTTGCGAGCTCGCAGCTCGCGAAGCTGTGACTTCATGACAAAGCATTTTGT 880
Db 781 GGCATTTCTTGCGAGCTCGCAGCTCGCGAAGCTGTGACTTCATGACAAAGCATTTTGT 840
QY 881 GAACCTAGGAGGCTCAGGGGGGTTTACTGGCTTCTTGAGTCACACTGCTAGCAATGGC 940
Db 841 GAACCTAGGAGGCTCAGGGGGGTTTACTGGCTTCTTGAGTCACACTGCTAGCAATGGC 900
QY 941 AGAACCAAGCTCAATATAAATTAATTTTCATTCATTCACCTC 987
Db 901 AGAACCAAGCTCAATATAAATTAATTTTCATTCATTCACCTC 947

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Search completed: August 25, 2001, 08:00:02
 Job time: 3570 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: August 24, 2001, 17:45:14 ; Search time 25.02 Seconds
(without alignments)

128.381 Million cell updates/sec

Title: US-09-016-869A-2

Perfect score: 800
1 MDPAGSSMEPSADWLATAA.....TRGSHNRHIDAEGPSIDP 156

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 197339 segs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 08
Maximum Match 1008

Listing first 45 summaries

Database : Issued Patents AA:*

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2: /cgn2_6/pdata/2/1aa/5B.COMB.pep: *
3: /cgn2_6/pdata/2/1aa/6A.COMB.pep: *
4: /cgn2_6/pdata/2/1aa/6B.COMB.pep: *
5: /cgn2_6/pdata/2/1aa/PCITUS.COMB.pep: *
6: /cgn2_6/pdata/2/1aa/backfilest.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	800	100.0	156	2	US-08-627-610-2
2	800	100.0	156	2	US-08-306-511A-2
3	800	100.0	156	2	US-08-893-274-2
4	800	100.0	156	3	US-08-581-918A-2
5	800	100.0	156	4	US-08-346-147B-2
6	800	100.0	156	4	US-08-822-936-2
7	800	100.0	156	5	PCIT-US93-04636-2
8	789.5	98.7	157	5	PCIT-US96-05252-5
9	789	98.6	156	1	US-08-474-177-2
10	789	98.6	156	1	US-08-487-033-2
11	789	98.6	156	1	US-08-480-810-2
12	789	98.6	156	2	US-08-508-735-2
13	789	98.6	156	2	US-08-848-251-2
14	789	98.6	156	2	US-08-486-047-2
15	789	98.6	156	3	US-09-120-130-2
16	789	98.6	156	3	US-09-115-252-2
17	789	98.6	156	3	US-08-986-515-2
18	789	98.6	156	4	US-09-120-128-2
19	789	98.6	156	4	US-09-120-129-2
20	789	98.6	156	4	US-09-201-139-2
21	789	98.6	156	4	US-09-120-131-2
22	789	98.6	156	4	US-08-910-722-2
23	785	98.1	391	1	US-08-589-981-2
24	760	95.0	148	1	US-08-154-915-4
25	760	95.0	148	3	US-08-384-106A-16
26	760	95.0	148	3	US-08-384-106A-24
27	760	95.0	148	5	PCIT-US93-09945-4

28	667.5	83.4	157	3	US-08-581-918A-12	Sequence 12, Appl
29	667.5	83.4	157	4	US-08-346-147B-12	Sequence 12, Appl
30	544	68.0	105	1	US-08-474-177-14	Sequence 14, Appl
31	544	68.0	105	1	US-08-487-033-14	Sequence 14, Appl
32	544	68.0	105	1	US-08-480-810-14	Sequence 14, Appl
33	544	68.0	105	2	US-08-508-735-14	Sequence 14, Appl
34	544	68.0	105	2	US-08-848-251-14	Sequence 14, Appl
35	544	68.0	105	2	US-08-486-047-14	Sequence 14, Appl
36	544	68.0	105	3	US-09-120-130-14	Sequence 14, Appl
37	544	68.0	105	3	US-09-115-252-14	Sequence 14, Appl
38	544	68.0	105	3	US-08-986-515-14	Sequence 14, Appl
39	544	68.0	105	4	US-09-120-128-14	Sequence 14, Appl
40	544	68.0	105	4	US-09-120-129-14	Sequence 14, Appl
41	544	68.0	105	4	US-09-201-139-14	Sequence 14, Appl
42	544	68.0	105	4	US-09-120-131-14	Sequence 14, Appl
43	533	66.6	130	2	US-08-627-610-8	Sequence 8, Appl
44	533	66.6	130	3	US-08-581-918A-8	Sequence 8, Appl
45	533	66.6	130	4	US-08-346-147B-8	Sequence 8, Appl

ALIGNMENTS

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RESULT 1
US-08-627-610-2
; Sequence 2, Application US/08627610
; Patent No. 5919997
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Serrano, Manuel
; APPLICANT: Defrino, Ronald A.
; TITLE OF INVENTION: Transgenic Animals Having Modified Cell-Cycle
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/627,610
; FILING DATE: 04-APR-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 156 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-627-610-2

Query Match 100.0%; Score 800; DB 2; Length 156;
Best Local Similarity 100.0%; Pred. No. 1.6e-87;
Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDPAGSSMEPSADWLATAAAGVEEVALLEAVLPPNPNNGRRPIQVMMGSAHYA 60
DB 1 MDPAGSSMEPSADWLATAAAGVEEVALLEAVLPPNPNNGRRPIQVMMGSAHYA 60
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OY 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLRAGARLDVDRWGRPLPVDLAAE 120
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DB 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLRAGARLDVDRWGRPLPVDLAAE 120
OY 121 LGRHDAARYLRAAAGTGRGSHNARIDAEGPSDIPD 156
|||||
DB 121 LGRHDAARYLRAAAGTGRGSHNARIDAEGPSDIPD 156

RESULT 2

US-08-306-511A-2
; Sequence 2, Application US/08306511A
; Patent No. 5962316
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; TITLE OF INVENTION: Related Thereto
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/306,511A
; FILING DATE: 14-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: CSI-001CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 156 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-306-511A-2

Query Match 100.0%; Score:800; DB 2; Length 156;

Best Local Similarity 100.0%; Pred.No.1.6e-87;

Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDPAAGSSMEPSADWLATAAARGVEEVRALLEAVLPAAPNSYGRPRIOVMMGSAVA 60
OY 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLRAGARLDVDRWGRPLPVDLAAE 120
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DB 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLRAGARLDVDRWGRPLPVDLAAE 120
OY 121 LGRHDAARYLRAAAGTGRGSHNARIDAEGPSDIPD 156
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DB 121 LGRHDAARYLRAAAGTGRGSHNARIDAEGPSDIPD 156

RESULT 3

US-08-893-274-2
; Sequence 2, Application US/08893274

; Patent No. 5968821
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,
; TITLE OF INVENTION: and Uses Related Thereto
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELLIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/893,274
; FILING DATE: 15-JULY-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/306,511
; FILING DATE: 14-SEPTEMBER-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/248,812
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,371
; FILING DATE: 14-APRIL-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/154,915
; FILING DATE: 18-NOVEMBER-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,997
; FILING DATE: 17-DECEMBER-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/963,308
; FILING DATE: 16-OCTOBER-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MIV-071.09
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 832-1000
; TELEFAX: (617) 832-7000
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 156 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-893-274-2

Query Match 100.0%; Score:800; DB 2; Length 156;

Best Local Similarity 100.0%; Pred.No.1.6e-87;

Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MDPAAGSSMEPSADWLATAAARGVEEVRALLEAVLPAAPNSYGRPRIOVMMGSAVA 60
|||||
DB 1 MDPAAGSSMEPSADWLATAAARGVEEVRALLEAVLPAAPNSYGRPRIOVMMGSAVA 60
OY 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLRAGARLDVDRWGRPLPVDLAAE 120
|||||
DB 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLRAGARLDVDRWGRPLPVDLAAE 120
OY 121 LGRHDAARYLRAAAGTGRGSHNARIDAEGPSDIPD 156
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DB 121 LGHRDVARYLRAAAGTGRGSHNARIDAEGSPDIPD 156

RESULT 4

US-08-581-918A-2

Sequence 2, Application US/08581918A

Patent No. 6043030

GENERAL INFORMATION:

APPLICANT: Beach, David H.

APPLICANT: Demetrick, Douglas J.

APPLICANT: Serrano, Manuel

APPLICANT: Hannon, Gregory J.

TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses

TITLE OF INVENTION: Related Thereto

NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley, Hoag & Eliot

STREET: One Post Office Square

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Wordpad

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/581,918A

FILING DATE: 02-JAN-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/497,214

FILING DATE: 30-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/346,147

FILING DATE: 29-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/306,511

FILING DATE: 14-SEP-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/248,812

FILING DATE: 25-MAY-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,371

FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/154,915

FILING DATE: 18-NOV-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/991,997

FILING DATE: 17-DEC-1992

ATTORNEY/AGENT INFORMATION:

NAME: Vincent, Matthew P.

REGISTRATION NUMBER: 36,709

REFERENCE/DOCKET NUMBER: MIV-071.06

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 832-1299

TELEFAX: (617) 832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 156 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-581-918A-2

Query Match 100.0%; Score 800; DB 3; Length 156;

Best Local Similarity 100.0%; Pred. No. 1.6e-87;

Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDPAGSSWEPADWLATAARGVEEVRLLEVALPNAFNSYGRPIQVMMGSARVA 60

QY 61 ELLLLHGAEPNCADPATITRVPVHDAREGLDITLVYHRRGARDVRDAMGRLPVDLAE 120

DB 61 ELLLLHGAEPNCADPATITRVPVHDAREGLDITLVYHRRGARDVRDAMGRLPVDLAE 120

QY 121 LGHRDVARYLRAAAGTGRGSHNARIDAEGSPDIPD 156

DB 121 LGHRDVARYLRAAAGTGRGSHNARIDAEGSPDIPD 156

RESULT 5

US-08-346-147B-2

Sequence 2, Application US/08346147B

Patent No. 6211334

GENERAL INFORMATION:

APPLICANT: Beach, David H.

APPLICANT: Demetrick, Douglas J.

APPLICANT: Serrano, Manuel

APPLICANT: Hannon, Gregory J.

TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses

TITLE OF INVENTION: Related Thereto

NUMBER OF SEQUENCES: 47

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley, Hoag & Eliot

STREET: One Post Office Square

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Wordpad

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/346,147B

FILING DATE: 29-NOV-1994

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/306,511

FILING DATE: 14-SEP-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/248,812

FILING DATE: 25-MAY-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,371

FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/154,915

FILING DATE: 18-NOV-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/991,997

FILING DATE: 17-DEC-1992

ATTORNEY/AGENT INFORMATION:

NAME: Vincent, Matthew P.

REGISTRATION NUMBER: 36,709

REFERENCE/DOCKET NUMBER: MIV-071.04

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 832-1299

TELEFAX: (617) 832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 156 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-346-147B-2

Query Match 100.0%; Score 800; DB 4; Length 156;

Best Local Similarity 100.0%; Pred. No. 1.6e-87;

Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDPAGSSMEPSADWLATAAARGVEEVRALLLEAVALLPNAFNSYGRPIQVMMGSAHYA 60
DB 1 MDPAGSSMEPSADWLATAAARGVEEVRALLLEAVALLPNAFNSYGRPIQVMMGSAHYA 60
QY 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFDTLVVLRAGARLDVDMGRLPYDLAE 120
DB 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFDTLVVLRAGARLDVDMGRLPYDLAE 120
QY 121 LGHRDVARYLRAAAGTGRGSHARIDAEGPSDIPD 156
DB 121 LGHRDVARYLRAAAGTGRGSHARIDAEGPSDIPD 156

RESULT 6

US-08-822-936-2
Sequence 2, Application US/08822936
Patent No. 6242575
GENERAL INFORMATION:
APPLICANT: Massague, Joan
APPLICANT: Roberts, James M.
APPLICANT: Koff, Andrew
APPLICANT: Polyak, Kornelia
TITLE OF INVENTION: Isolated p27 protein, Nucleic Acid
TITLE OF INVENTION: Molecules Encoding Same, Methods of Identifying Agents Acting
TITLE OF INVENTION: and Uses of Said Agents
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley, Hoag & Elliot, LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/822,936
FILING DATE: 21-FEBRUARY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-079-.05
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1000
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-822-936-2

Query Match 100.0%; Score 800; DB 4; Length 156;
Best Local Similarity 100.0%; Pred. No. 1.6e-87;
Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDPAGSSMEPSADWLATAAARGVEEVRALLLEAVALLPNAFNSYGRPIQVMMGSAHYA 60
DB 1 MDPAGSSMEPSADWLATAAARGVEEVRALLLEAVALLPNAFNSYGRPIQVMMGSAHYA 60
QY 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFDTLVVLRAGARLDVDMGRLPYDLAE 120
DB 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFDTLVVLRAGARLDVDMGRLPYDLAE 120
QY 121 LGHRDVARYLRAAAGTGRGSHARIDAEGPSDIPD 156
DB 121 LGHRDVARYLRAAAGTGRGSHARIDAEGPSDIPD 156

DB 121 LGHRDVARYLRAAAGTGRGSHARIDAEGPSDIPD 156

RESULT 7

PCT-US95-04636-2
Sequence 2, Application PC/TUS9504636
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
TITLE OF INVENTION: Related Thereto
NUMBER OF SEQUENCES: 10
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Ascii(text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04636
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/346,147
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,371
FILING DATE: 14-APR-1994
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-04636-2

Query Match 100.0%; Score 800; DB 5; Length 156;
Best Local Similarity 100.0%; Pred. No. 1.6e-87;
Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDPAGSSMEPSADWLATAAARGVEEVRALLLEAVALLPNAFNSYGRPIQVMMGSAHYA 60
DB 1 MDPAGSSMEPSADWLATAAARGVEEVRALLLEAVALLPNAFNSYGRPIQVMMGSAHYA 60
QY 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFDTLVVLRAGARLDVDMGRLPYDLAE 120
DB 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFDTLVVLRAGARLDVDMGRLPYDLAE 120
QY 121 LGHRDVARYLRAAAGTGRGSHARIDAEGPSDIPD 156
DB 121 LGHRDVARYLRAAAGTGRGSHARIDAEGPSDIPD 156

RESULT 8

PCT-US96-05252-5
Sequence 5, Application PC/TUS9605252
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: p19: A Cell Cycle Inhibitor
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Tower
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105-1492
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/05252
FILING DATE: Not yet assigned
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/425,093
FILING DATE: 17-APR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen L.
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 02307B-059910PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 157 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..157
OTHER INFORMATION: /note="human p16"
PCT-US96-05252-5

Query Match 98.7%; Score 789.5; DB 5; Length 157;
Best Local Similarity 99.4%; Pred. No. 2.9e-86;
Matches 156; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MPPAGSSMEPSADMLATAAARGVEEVRALLEVALPNAIPNSYGRRIQVMMGSARVA 60
|||||
DB 1 MPPAGSSMEPSADMLATAAARGVEEVRALLEVALPNAIPNSYGRRIQVMMGSARVA 60
QY 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFDTLVVLRAGARLDVNDAMGRLPVDAE 119
|||||
DB 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFDTLVVLRAGARLDVNDAMGRLPVDAE 120
QY 120 LGHRDVARYLRAAAGGTGSGNHARIDAEGPSDIPD 156
|||||
DB 121 LGHRDVARYLRAAAGGTGSGNHARIDAEGPSDIPD 157

RESULT 9
US-08-474-177-2
; Sequence 2, Application US/08474177
; Patent No. 5624819
; GENERAL INFORMATION:
; APPLICANT: Skolnick, Mark H.
; APPLICANT: Cannon-Albright, Lisa A.
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: GERMLINE MUTATIONS IN THE MTS GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,177

FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03537
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Innen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348-E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-474-177-2

Query Match 98.6%; Score 789; DB 1; Length 156;
Best Local Similarity 98.7%; Pred. No. 3.3e-86;
Matches 154; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MPPAGSSMEPSADMLATAAARGVEEVRALLEVALPNAIPNSYGRRIQVMMGSARVA 60
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DB 1 MPPAGSSMEPSADMLATAAARGVEEVRALLEVALPNAIPNSYGRRIQVMMGSARVA 60
QY 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFDTLVVLRAGARLDVNDAMGRLPVDAE 120
|||||
DB 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFDTLVVLRAGARLDVNDAMGRLPVDAE 120
QY 121 LGHRDVARYLRAAAGGTGSGNHARIDAEGPSDIPD 156
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DB 121 LGHRDVARYLRAAAGGTGSGNHARIDAEGPSDIPD 156

RESULT 10
US-08-487-033-2
; Sequence 2, Application US/08487033
; Patent No. 5739027
; GENERAL INFORMATION:
; APPLICANT: Kamb, Alexander
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS1-Beta GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30

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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,033
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-8300
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-487-033-2
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Query Match      98.6%; Score 789; DB 1; Length 156;
Best Local Similarity 98.7%; Pred. No. 3.3e-86;
Matches 154; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDPAGSSMEPSADWLATAAARGVEEVRALLLEAVLPMAPNSYGRPIQVMMGSAVA 60
|:|||||
DB 1 MEPAAGSSMEPSADWLATAAARGVEEVRALLLEAGALPMAPNSYGRPIQVMMGSAVA 60

QY 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLRAGARLDVDRAMGRLPVDLAE 120
|:|||||
DB 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLRAGARLDVDRAMGRLPVDLAE 120

QY 121 LGHRDVARYLRAAAGGTGSGNHARIDAEGPSDIPD 156
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DB 121 LGHRDVARYLRAAAGGTGSGNHARIDAEGPSDIPD 156

RESULT 11
US-08-480-810-2
Sequence 2, Application US/08480810
Patent No. 5801236
GENERAL INFORMATION:
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS1 GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,810
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-8300
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-480-810-2
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Query Match      98.6%; Score 789; DB 1; Length 156;
Best Local Similarity 98.7%; Pred. No. 3.3e-86;
Matches 154; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDPAGSSMEPSADWLATAAARGVEEVRALLLEAVLPMAPNSYGRPIQVMMGSAVA 60
|:|||||
DB 1 MEPAAGSSMEPSADWLATAAARGVEEVRALLLEAGALPMAPNSYGRPIQVMMGSAVA 60

QY 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLRAGARLDVDRAMGRLPVDLAE 120
|:|||||
DB 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLRAGARLDVDRAMGRLPVDLAE 120

QY 121 LGHRDVARYLRAAAGGTGSGNHARIDAEGPSDIPD 156
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DB 121 LGHRDVARYLRAAAGGTGSGNHARIDAEGPSDIPD 156

RESULT 12
US-08-508-735-2
Sequence 2, Application US/08508735
Patent No. 5843756
GENERAL INFORMATION:
APPLICANT: Stone, Steven
TITLE OF INVENTION: MTS1 GENE AND THERAPEUTIC USE THEREOF
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
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ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/508,735
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US to be assigned
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4848
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-508-735-2

Query Match 98.6%; Score 789; DB 2; Length 156;
Best Local Similarity 98.7%; Pred. No. 3.3e-86;
Matches 154; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDPAGSSMEPSADWLTAAARGVEEVRLLEAVLPNPNSTYGRPIQVMMGSARVA 60
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DB 1 MDPAGSSMEPSADWLTAAARGVEEVRLLEAGALPNPNSTYGRPIQVMMGSARVA 60
61 ELLLHGAEPNCADPATLTTPVHDAAREGFLDTLVYLRAGARLDVDMWGRLPVDLAE 120
|:|||||
DB 61 ELLLHGAEPNCADPATLTTPVHDAAREGFLDTLVYLRAGARLDVDMWGRLPVDLAE 120
121 LGHRDVARYLRAAGGTGSGNHARIDAEGPSDIPD 156
|:|||||
DB 121 LGHRDVARYLRAAGGTGSGNHARIDAEGPSDIPD 156

RESULT 13
US-08-848-251-2
Sequence 2, Application US/08848251
Patent No. 5989815
GENERAL INFORMATION:
APPLICANT: Skolnick, Mark H.
APPLICANT: Cannon-Albright, Lisa A.
TITLE OF INVENTION: GERMLINE MUTATIONS IN THE MTS GENE AND
TITLE OF INVENTION: METHOD FOR DETECTING PREDISPOSITION TO CANCER AT THE MTS
TITLE OF INVENTION: GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/848,251
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/474,083
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: PCT/US95/03537
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348-G
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-848-251-2

Query Match 98.6%; Score 789; DB 2; Length 156;
Best Local Similarity 98.7%; Pred. No. 3.3e-86;
Matches 154; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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DB 1 MDPAGSSMEPSADWLTAAARGVEEVRLLEAGALPNPNSTYGRPIQVMMGSARVA 60
61 ELLLHGAEPNCADPATLTTPVHDAAREGFLDTLVYLRAGARLDVDMWGRLPVDLAE 120
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DB 61 ELLLHGAEPNCADPATLTTPVHDAAREGFLDTLVYLRAGARLDVDMWGRLPVDLAE 120
121 LGHRDVARYLRAAGGTGSGNHARIDAEGPSDIPD 156
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DB 121 LGHRDVARYLRAAGGTGSGNHARIDAEGPSDIPD 156

RESULT 14
US-08-486-047-2
Sequence 2, Application US/08486047
Patent No. 5994095
GENERAL INFORMATION:
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS2 GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:

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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486, 047
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-486-047-2

Query Match          98.6%; Score 789; DB 2; Length 156;
Best Local Similarity 98.7%; Pred. No. 3.3e-86;
Matches 154; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDPAGSSMEPSADWLATAARGVEEVRALLEAVALLPNAFNSYGRPIQVMMGSAKYA 60
|:|||||
DB 1 MEPAAGSSMEPSADWLATAARGVEEVRALLEAGALLPNAFNSYGRPIQVMMGSAKYA 60
QY 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVLLHRAAGARLDVDAWGRLPVDLAE 120
|:|||||
DB 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVLLHRAAGARLDVDAWGRLPVDLAE 120
QY 121 LGHRDVARYLRAAAGGTGSGNHARIDAAEGPSDIPD 156
|:|||||
DB 121 LGHRDVARYLRAAAGGTGSGNHARIDAAEGPSDIPD 156

RESULT 15
US-09-120-130-2
Sequence 2, Application US/09120130
Patent No. 6037462
GENERAL INFORMATION:
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS1 GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
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ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/120,130
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/480,810
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-120-130-2

Query Match          98.6%; Score 789; DB 3; Length 156;
Best Local Similarity 98.7%; Pred. No. 3.3e-86;
Matches 154; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDPAGSSMEPSADWLATAARGVEEVRALLEAVALLPNAFNSYGRPIQVMMGSAKYA 60
|:|||||
DB 1 MEPAAGSSMEPSADWLATAARGVEEVRALLEAGALLPNAFNSYGRPIQVMMGSAKYA 60
QY 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVLLHRAAGARLDVDAWGRLPVDLAE 120
|:|||||
DB 61 ELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVLLHRAAGARLDVDAWGRLPVDLAE 120
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DB 121 LGHRDVARYLRAAAGGTGSGNHARIDAAEGPSDIPD 156
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Mon Aug 27 09:42:34 2001

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Page 9

GenCore version 4.5
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Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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4	812.8	97.1	850	3	US-08-581-918A-3
5	812.8	97.1	850	4	US-08-346-147B-3
6	812.8	97.1	850	4	US-08-822-936-3
7	812.8	97.1	850	5	PCT-US95-04636-3
8	677.2	80.9	751	1	US-08-474-177-15
9	677.2	80.9	751	1	US-08-487-033-15
10	677.2	80.9	751	1	US-08-480-810-15
11	677.2	80.9	751	2	US-08-508-735-15
12	677.2	80.9	751	2	US-08-848-251-15
13	677.2	80.9	751	2	US-08-486-047-15
14	677.2	80.9	751	2	US-09-120-130-15
15	677.2	80.9	751	3	US-09-115-252-15
16	677.2	80.9	751	3	US-08-986-515-15
17	677.2	80.9	751	3	US-09-120-129-15
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24	360	43.0	1244	2	US-08-508-735-5
25	360	43.0	1244	2	US-08-848-251-5
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29	360	43.0	1244	3	US-08-986-515-5	Sequence 5, Appl1
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31	360	43.0	1244	4	US-09-120-129-5	Sequence 5, Appl1
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36	276.8	33.1	580	4	US-08-346-147B-7	Sequence 7, Appl1
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42	266.8	31.9	471	2	US-08-508-735-1	Sequence 1, Appl1
43	266.8	31.9	471	2	US-08-848-251-1	Sequence 1, Appl1
44	266.8	31.9	471	2	US-08-486-047-1	Sequence 1, Appl1
45	266.8	31.9	471	3	US-09-120-130-1	Sequence 1, Appl1

ALIGNMENTS

RESULT 1
US-08-306-511A-3
; Sequence 3, Application US/08306511A
; Patent No. 5962316
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannan, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; TITLE OF INVENTION: Related Thereeto
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/306,511A
; FILING DATE: 14-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: CSI-001CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 837 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 328..738
; US-08-306-511A-3

Query Match 100.0%; Score 837; DB 2; Length 837;
Best Local Similarity 100.0%; Pred. No. 9; Gaps 0;
Matches 837; Conservative 0; Mismatches 0; Indels 0;

OY	1	GAGGACATCCGGAGCGTCCGACCCCTGGCCAGAGCGGCTTTGAGTGGGCTGCTTCG	60
Db	1	GAGACTCCGGACGGTCCGACCCCTGGCCAGAGCGGCTTTGAGTGGGCTGCTTCG	60
OY	61	CGCTAGGCGCTTTTCCAGAAAGCAATCCAGGCGCGCCGCTGCTTCTTAGCGCCAGGA	120
Db	61	CGCTAGGCGCTTTTCCAGAAAGCAATCCAGGCGCGCCGCTGCTTCTTAGCGCCAGGA	120
OY	121	AAAGCCGGAGCTAACGACCGGCGCTGCGCACTGCAAGGGGGCCCAAGCGCGAGAAGAA	180
Db	121	AAAGCCGGAGCTAACGACCGGCGCTGCGCACTGCAAGGGGGCCCAAGCGCGAGAAGAA	180
OY	181	GGAGCAGCGGAGGGTAAATGAAGCTGAGCCCGACGCTCTTAGAAGAGAGAGTGGCCCGG	240
Db	181	GGAGCAGCGGAGGGTAAATGAAGCTGAGCCCGACGCTCTCTAGAAGAGAGAGTGGCCCGG	240
OY	241	AGCAGCGTGGGAAAGAGGAGAGTGTCTTAAATTACGGCCCAACGTTGATATCCG	300
Db	241	AGCAGCGTGGGAAAGAGGAGAGTGTCTGTTAAGTTTACGGCCCAACGTTGATATCCG	300
OY	301	GGCCGCTGCGGCTCTGGGGGCTGGGGAAATCCGAGGAAACAAAGGCATGGCCAGTGGG	360
Db	301	GGCCGCTGCGGCTCTGGGGGCTGGGGAAATCCGAGGAAACAAAGGCATGGCCAGTGGG	360
OY	361	GGCGCAGCGATGAGAGGCTGTGGCCACC CGCGCGGCGACTAGTGAAGAGTGGCGACAC	420
Db	361	GGCGCAGCGATGAGAGGCTGTGGCCACC CGCGCGGCGACTAGTGAAGAGTGGCGACAC	420
OY	421	TCCTGGGAAGCCGGCGGGATCCCAACGGAGTCAACCGTTTCGGAGAGGCGCGGATCCAG	480
Db	421	TCCTGGGAAGCCGGCGGGATCCCAACGGAGTCAACCGTTTCGGAGAGGCGCGGATCCAG	480
OY	481	GTCATGATGATGGGAGAGCGCCGCGTGGCGAGTGTGCTGCTGCACAGGCGCGGAGCCG	540
Db	481	GTCATGATGATGGGAGAGCGCCGCGCTGGCGAGTGTGCTGCTGCACAGGCGCGGAGCCG	540
OY	541	AACTGCGCAGACCCCTGCCACTCTCAACCCGACCGGCTGATGATGATGTCTGCCGGAGGCGCTTC	600
Db	541	AACTGCGCAGACCCCTGCCACTCTCAACCCGACCGGCTGATGATGATGTCTGCCGGAGGCGCTTC	600
OY	601	CTGGACACACGCTGTGTGTCTGCACACCGGGCGGGCGCGGCTGGACGTGCCGATGCTCTGG	660
Db	601	CTGGACACACGCTGTGTGTCTGCACACCGGGCGGGCGCGGCTGGACGTGCCGATGCTCTGG	660
OY	661	GGTCTCTGCCCCGTGTGACTTGGCCGAGAGAGGGGGCCACCGCAGCTTTCGAGGTTACTCG	720
Db	661	GGTCTCTGCCCCGTGTGACTTGGCCGAGAGAGGGGGCCACCGCAGCTTTCGAGGTTACTCG	720
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Db	721	CGCACAGCCACGGGGGACTGACGCCAGGTTCCCAAGCCGCCACACGACTTTATTTTCT	780
OY	781	TACCCAAATTTCCACACCCGCCACCACTTAATTGATGAAAGCTGTGCACAGGGGAGACGG	837
Db	781	TACCCAAATTTCCACACCCGCCACCACTTAATTGATGAAAGCTGTGCACAGGGGAGACGG	837

RESULT 2
 US-08-893-274-3
 ; Sequence 3, Application US/08893274
 ; Patent No. 5968821
 ;
 ; GENERAL INFORMATION:
 ; APPLICANT: Beach, David H..
 ; APPLICANT: Demetrick, Douglas J..
 ; APPLICANT: Serrano, Manuel
 ; APPLICANT: Hannon, Gregory J..
 ; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,
 ; TITLE OF INVENTION: and Uses Related Thereto
 ; NUMBER OF SEQUENCES: 10
 ;
 ; CORRESPONDENCE ADDRESS:
 ;
 ; ADDRESS: FOLEY, HOAG & ELIOT LLP
 ; STREET: One Post Office Square

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CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/893,274
FILING DATE: 15-JULY-1997

CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEPTEMBER-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,371
FILING DATE: 14-APRIL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/154,915
FILING DATE: 18-NOVEMBER-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DECEMBER-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/963,308
FILING DATE: 16-OCTOBER-1992
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-071.09
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1000
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 837 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 328..738
US-08-893-274-3

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[illegible]

Db	241	AGCAGCGTGGGAAGAAAGGGAAGAGTGTGCTTAACTTTACGGGCAACGATGATTTATCCG	300
Qy	301	GGCCGCTGCGGCTGTGGGGGGCTGCGGAATGCGCGAGAGAACAAAGGCATGCCAGTGGG	360
Db	301	GGCCGCTGCGGCTGTGGGGGGCTGCGGAATGCGCGAGAGAACAAAGGCATGCCAGTGGG	360
Qy	361	GGGGCAGCGGATGAGGGGCTGAGGCGCCAGCCGGGGGGGAGTGAAGGAGTGGCGAC	420
Db	361	GGCGGCAAGCGATGAGGGTCTGAGCGCCAGCCGGGGGGGAGTGAAGGAGTGGCGAC	420
Qy	421	TCTGCGGAAGCGCGGCGGAGATCCCAACGAGTCAACCGTTTTCGGGAGAGCGCGGATCCAG	480
Db	421	TCTGCGGAAGCGCGGCGGAGATCCCAACGAGTCAACCGTTTTCGGGAGAGCGCGGATCCAG	480
Qy	481	GTCATGATGATGGGCGACGCCCGCGTGGCGGAGGCTGCTCTCTCCAGGCGCGGACCC	540
Db	481	GTCATGATGATGGGCGACGCCCGCGTGGCGGAGGCTGCTCTCTCCAGGCGCGGACCC	540
Qy	541	AACGCGCAAGACCTTGCCACATCTTACCCGACCGGTGATATGTTGGCCGGAGGCTTC	600
Db	541	AACGCGCAAGACCTTGCCACATCTTACCCGACCGGTGATATGTTGGCCGGAGGCTTC	600
Qy	601	CTGGAACAGCGTGGTGTGCTGCACACGGGCGGCGGCGTGGACGTGCGCGATGCTTG	660
Db	601	CTGGAACAGCGTGGTGTGCTGCACACGGGCGGCGGCGTGGACGTGCGCGATGCTTG	660
Qy	661	GGTGGTGTGCGCGGCGGAGCTTGGCGGAGAGGCGGGGCCACCGCAGTTGAGGGTACCTG	720
Db	661	GGTGGTGTGCGCGGCGGAGCTTGGCGGAGAGGCGGGGCCACCGCAGTTGAGGGTACCTG	720
Qy	721	CGCACAGCGACGGGGGAGCTGACGCCAGGTTCCCGACGCCGCCACACAGACTTATTTCT	780
Db	721	CGCACAGCGACGGGGGAGCTGACGCCAGGTTCCCGACGCCGCCACACAGACTTATTTCT	780
Qy	781	TACCAATTTTCCACACCCCCACACCACTAATTCATGATGAAGCTGCCAAGGGAGCCG	837
Db	781	TACCAATTTTCCACACCCCCACACCACTAATTCATGATGAAGCTGCCAAGGGAGCCG	837
RESULT 3			
US-08-627-610-3			
: Sequence 3, Application US/08627610			
: Patent No. 5919997			
: GENERAL INFORMATION:			
: APPLICANT: Beach, David H.			
: APPLICANT: Serrano, Manuel			
: APPLICANT: Depinho, Ronald A.			
: TITLE OF INVENTION: Transgenic Animals Having Modified Cell-Cycle			
: NUMBER OF SEQUENCES: 13			
: CORRESPONDENCE ADDRESS:			
: ADDRESSEE: LAHIVE & COCKFIELD			
: STREET: 60 State Street			
: CITY: Boston			
: STATE: MA			
: COUNTRY: USA			
: ZIP: 02109			
: COMPUTER READABLE FORM:			
: MEDIUM TYPE: Floppy disk			
: COMPUTER: IBM PC compatible			
: OPERATING SYSTEM: PC-DOS/MS-DOS			
: SOFTWARE: ASCII(text)			
: CURRENT APPLICATION DATA:			
: APPLICATION NUMBER: US/08/627,610			
: FILING DATE: 04-APR-1996			
: CLASSIFICATION: 800			
: ATTORNEY/AGENT INFORMATION:			
: NAME: Vincent, Matthew P.			
: REGISTRATION NUMBER: 36,709			
: REFERENCE/DOCKET NUMBER: CSI-001CP6			
: TELECOMMUNICATION INFORMATION:			
: TELEPHONE: (617) 227-7400			
: TELEFAX: (617) 227-5941			

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: INFORMATION FOR SEQ ID NO: 3 :
: SEQUENCE CHARACTERISTICS:
:   LENGTH: 850 base pairs
:   TYPE: nucleic acid
:   STRANDEDNESS: both
:   TOPOLOGY: linear
: MOLECULE TYPE: CDNA
: FEATURE:
:   NAME/KEY: CDS
:   LOCATION: 338..751
: US-08-627-610-3

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Query Match	97.1%	Score 812.8	DB 2	Length 850
Best Local Similarity	98.8%	Pred. No. 2,4e-173		
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QY	1	GAGCAGTCGCGAGAGGCTCCGACACCTCGGGCCAGAGGCGCTTTGAGCTCGGCTGCTCCG	60	
Db	11	GAGGAGCTCCCGACGGTCCGACACCTCGCGCCAGAGCGGCTTTGAGCTCGGCTGCTCCG	70	
QY	61	CGCTAGGCGCTTTTCCAGAAAGCATCCAGGCGGCGCGCTGGCTTTGAGGCGCCAGGA	120	
Db	71	CGCTAGGCGCTTTTCCAGAAAGCATCCAGGCGGCGCGCTGGCTTTGAGGCGCCAGGA	130	
QY	121	AAAGCCCGGAGCTAACAGACCGGCGCTCGGCACTCCACAGGGGCCCCAAGCCGAGAA	180	
Db	131	AAAGCCCGGAGCTAACAGACCGGCGCTCGGCACTCCACAGGGGCCCCAAGCCGAGAA	190	
QY	181	GGACGACGGGAGGGTATGAGCTGAGCCAGGTCTCTAGSAAAGAGAGTCCGCGG	240	
Db	191	GGAGAGAGGGGAGGGTATGAGCTGAGCCAGGTCTCTAGSAAAGAGAGTCCGCGG	250	
QY	241	AGCAGCTGGGAAAGAGGAGAGTGTGTTAACTTACGGCCACAGGTTGATATCCG	300	
Db	251	AGCAGCTGGGAAAGAGGAGAGTGTGTTAACTTACGGCCACAGGTTGATATCCG	310	
QY	301	GGCGCTGCGCGTCTGGGGGCTCGGATATGCGCGAGAGAACAGGGCATGCCAGTGGG	360	
Db	311	GGCGCTGCGCGTCTGGGGGCTCGGATATGCGCGAGAGAACAGGGCATGCCAGTGGG	370	
QY	361	GGGCGGACGAGTGAAGGGTGTGGCGCA---GGCGGGGCGGGGACTGTGAGAAAGTTCGA	417	
Db	371	GGGCGGACGAGTGAAGGGTGTGGCGCA---GGCGGGGCGGGGACTGTGAGAAAGTTCGA	430	
QY	418	CAGTCCTGGGAAAGCGCGCGCGGATCCCAACGAGAGTCAACCGTTTGGGAGGCGCGCATC	477	
Db	431	CAGTCCTGGGAAAGCGCGCGCGGATCCCAACGAGAGTCAACCGTTTGGGAGGCGCGCATC	490	
QY	478	CAGTCAATGATGATGGGCAAGCGCGCGCGTGGGAGACTGTCTGTCTCCAGGGCGGAG	537	
Db	491	CAGTCAATGATGATGGGCAAGCGCGCGCGTGGGAGACTGTCTGTCTCCAGGGCGGAG	550	
QY	538	CCCAACGCGCAGACCCCTGCGCACTCTCACCCGACCGGCTGATGATGCTGCCCGGAGAGG	597	
Db	551	CCCAACGCGCAGACCCCTGCGCACTCTCACCCGACCGGCTGATGATGCTGCCCGGAGAGG	610	
QY	598	TTCTCTGAGACAGCTGTGTGTGTGTCGACCGGGCGCGGGCGGCTGTGAGCTGCCGATGCC	657	
Db	611	TTCTCTGAGACAGCTGTGTGTGTGTCGACCGGGCGCGGGCGGCTGTGAGCTGCCGATGCC	670	
QY	658	TGGGGTGTGTCGCCCGTGGGACTTGGGCGAGAGAGCGGGGCAACCGGAGCTTGGACGGGATC	717	
Db	671	TGGGGTGTGTCGCCCGTGGGACTTGGGCGAGAGAGCGGGGCAACCGGAGCTTGGACGGGATC	730	
QY	718	CTGCGCAGAGCAGCGGGGAGTACGCCAGGTTCCCAACCGCGCCCAACAGCACTTATTT	777	
Db	731	CTGCGCAGAGCAGCGGGGAGTACGCCAGGTTCCCAACCGCGCCCAACAGCACTTATTT	790	
QY	778	TCTTATCCCAATTTCCACCCCGCCACCACTAATTGTAGTGAAGGCTGCCAACGGGAGACGG	837	
Db	791	TCTTATCCCAATTTCCACCCCGCCACCACTAATTGTAGTGAAGGCTGCCAACGGGAGACGG	850	

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1      RESULT      4
2      US-08-581-918A-3
3      ; Sequence 3, Application US/08581918A
4      ; Patent No. 6043030
5      ; GENERAL INFORMATION:
6      ; APPLICANT: Beach, David H.
7      ; APPLICANT: Demetrick, Douglas J.
8      ; APPLICANT: Serrano, Manuel
9      ; APPLICANT: Hannon, Gregory J.
10     ; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
11     ; TITLE OF INVENTION: Related Thereto
12     ; NUMBER OF SEQUENCES: 39
13     ; CORRESPONDENCE ADDRESS:
14     ; ADDRESSEE: Foley, Hoag & Eliot
15     ; STREET: One Post Office Square
16     ; CITY: Boston
17     ; STATE: MA
18     ; COUNTRY: USA
19     ; ZIP: 02109
20     ; COMPUTER READABLE FORM:
21     ; MEDIUM TYPE: Floppy disk
22     ; COMPUTER: IBM PC compatible
23     ; OPERATING SYSTEM: PC-DOS/MS-DOS
24     ; SOFTWARE: Wordpad
25     ; CURRENT APPLICATION DATA:
26     ; APPLICATION NUMBER: US/08/581,918A
27     ; FILING DATE: 02-JAN-1996
28     ; CLASSIFICATION: 435
29     ; PRIOR APPLICATION DATA:
30     ; APPLICATION NUMBER: US 08/497,214
31     ; FILING DATE: 30-JUN-1995
32     ; PRIOR APPLICATION DATA:
33     ; APPLICATION NUMBER: US 08/346,147
34     ; FILING DATE: 29-NOV-1994
35     ; PRIOR APPLICATION DATA:
36     ; APPLICATION NUMBER: US 08/306,511
37     ; FILING DATE: 14-SEP-1994
38     ; PRIOR APPLICATION DATA:
39     ; APPLICATION NUMBER: US 08/248,812
40     ; FILING DATE: 25-MAY-1994
41     ; PRIOR APPLICATION DATA:
42     ; APPLICATION NUMBER: US 08/227,371
43     ; FILING DATE: 14-APR-1994
44     ; PRIOR APPLICATION DATA:
45     ; APPLICATION NUMBER: US 08/154,915
46     ; FILING DATE: 18-NOV-1993
47     ; PRIOR APPLICATION DATA:
48     ; APPLICATION NUMBER: US 07/991,997
49     ; FILING DATE: 17-DEC-1992
50     ; ATTORNEY/AGENT INFORMATION:
51     ; NAME: Vincent, Matthew P.
52     ; REGISTRATION NUMBER: 36,709
53     ; REFERENCE/DOCKET NUMBER: MY-071.06
54     ; TELECOMMUNICATION INFORMATION:
55     ; TELEPHONE: (617) 832-1299
56     ; TELEFAX: (617) 832-7000
57     ; INFORMATION FOR SEQ. ID NO. 3:
58     ; SEQUENCE CHARACTERISTICS:
59     ; LENGTH: 850 base pairs
60     ; TYPE: nucleic acid
61     ; STRANDEDNESS: both
62     ; TOPOLOGY: linear
63     ; MOLECULE TYPE: cDNA
64     ; FEATURE:
65     ; NAME/KEY: CDS
66     ; LOCATION: 338..751
67     ; US-08-581-918A-3
68
69     Query Match      97.1%; Score 812.8; DB 3; Length 850;
70     Best Local Similarity 98.8%; Pred. No. 2.4e-173;
71     Matches 830; Conservative 0; Mismatches 7; Indels 3; Gaps 1

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QY	1	GAGGACCTCCGGACAGCGTCTCCGACACCTTGGGCGCCAGAGCGGCTTTAAGCTCGGCTTCCTCCG	60
Db	11	GAGGACCTCCGGACAGCGTCTCCGACACCTTGGGCGCCAGAGCGGCTTTAAGCTCGGCTTCCTCCG	70
QY	61	CGCTAGGGGCTTTTTCCTCCAGAAAGCAATCCAGGCGCGCCGCTGGTTCCTTGAAGCGCCAGGA	120
Db	71	CGCTAGGGGCTTTTTCCTCCAGAAAGCAATCCAGGCGCGCCGCTGGTTCCTTGAAGCGCCAGGA	130
QY	121	AAAGCCGGAGCTTAAAGCAAGCGGCGCTTCGGCATTGCACAGGGGGCCCCAAGCCGCGAGAA	180
Db	131	AAAGCCGGAGCTTAAAGCAAGCGGCGCTTCGGCATTGCACAGGGGGCCCCAAGCCGCGAGAA	190
QY	181	GGACGACGGGAGGGTAATGAAGAGTGAAGGCCAGGTCCTCTCTAAGAAAGAGACAGTCCGCCG	240
Db	191	GGACGACGGGAGGGTAATGAAGAGTGAAGGCCAGGTCCTCTCTAAGAAAGAGAGATGCCCGG	250
QY	241	AGCAGCTGGGCAAAAGAGAGGAAAGTGTCTGTTAAGTTTACGGCCCAAGGTGGATTATCCG	300
Db	251	AGCAGCTGGGCAAAAGAGAGGAAAGTGTCTGTTAAGTTTACGGCCCAAGGTGGATTATCCG	310
QY	301	GGCCGCTCGCGCTCTGGGGGCTCGGGAATGTCGCGAGAGAAACAAGGCTATGCCAGTGGG	360
Db	311	GGCCGCTCGCGCTCTGGGGGCTCGGGAATGTCGCGAGAGAAACAAGGCTATGCCAGTGGG	370
QY	361	GGCGGCAACGATGAGAGGCTGTCCCA - - -CGCGCGCGGGGGGACTAGTGTGAGAAAGTCCGA	417
Db	371	GGCGGCAACGATGAGAGGCTGTCTCCACAGCGCCGCGCGGGGACTAGTGTGAGAAAGTCCGA	430
QY	418	CAGTCTCTGGGAAGCGCGCGCGATGCCAACAAGGAGTCAACGCTTTCGGGAGAGCGCGCGATC	477
Db	431	CAGTCTCTGGGAAGCGCGCGCGATGCCAACAAGGAGTCAACGCTTTCGGGAGAGCGCGCGATC	490
QY	478	CAGGTCAATGATGATGGGCAAGCGCCCGCGTGGCGGAGTCTGCTGCTTCACAGGCGCGGAG	537
Db	491	CAGGTCAATGATGATGGGCAAGCGCCCGCGTGGCGGAGTCTGCTGCTTCACAGGCGCGGAG	550
QY	538	CCCAACTCGGAGAGACCGCTGCACACTCTCACCCGACCGGTCGATGATGTGTGCGCGGGAGAGG	597
Db	551	CCCAACTCGGAGAGACCGCTGCACACTCTCACCCGACCGGTCGATGATGTGTGCGCGGGAGG	610
QY	598	TTTCCTGGACAGCTGTGTGTCTCTACACCGGGCGGGCGCGGCTGTGACGTCGCGGATGCC	657
Db	611	TTTCCTGGACAGCTGTGTGTCTCTACACCGGGCGGGCGCGGCTGTGACGTCGCGGATGCC	670
QY	658	TGGGGTCTCTGCCCCGTTGGAGATTGGCCGAGAGAGGGGGGCCACCGGCACGTTGCAGGCTAC	717
Db	671	TGGGGTCTCTGCCCCGTTGGAGATTGGCCGAGAGAGGGGGGCCACCGGCACGTTGCAGGCTAC	730
QY	718	CTGGCGACAGCCACGAGGGGAGATGACGCGCAGGTTCCCGACGCGCCACACAGACCTTTATTT	777
Db	731	CTGGCGACAGCCACGAGGGGAGATGACGCGCAGGTTCCCGACGCGCCACACAGACCTTTATTT	790
QY	778	TCTTACCCATTTCCTCCACCCCGCACCTAATTCGATGAAGGCTGCGCAAGGGGAGCGG	837
Db	791	TCTTACCCATTTCCTCCACCCCGCACCTAATTCGATGAAGGCTGCGCAAGGGGAGCGG	850
RESULT 5			
US-08-346-147B-3			
; Sequence 3, Application US/08346147B			
; Patent No. 6211334			
; GENERAL INFORMATION:			
; APPLICANT: Beach, David H.			
; APPLICANT: Demetrick, Douglas J.			
; APPLICANT: Serrano, Manuel			
; APPLICANT: Hannou, Gregory J.			
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses			
; NUMBER OF SEQUENCES: 47			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: Foley, Hoag & Elliot			
; STREET: One Post Office Square			

CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordpad
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/346,147B
FILING DATE: 29-NOV-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/154,915
FILING DATE: 18-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-071.04
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1299
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 850 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 338..751
US-08-346-147B-3

Query Match 97.18; Score 812.8; DB 4; Length 850;
Best Local Similarity 98.88; Pred. No. 2,4e-173;
Matches 830; Conservative 0; Mismatches 7; Indels 3; Gaps 1;

QY 1 GAGAGCTCCGGAGCGTCCGACCCCTGGGCGCAGAGGGCTTTAGTCCGCTCCCTCCG 60
|||
DB 11 GAGAGCTCCGGAGCGTCCGACCCCTGGGCGCAGAGGGCTTTAGTCCGCTCCCTCCG 70
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QY 61 CGTAGGGCTTTTCCAGAAATCCAGGCGCGCCGCTGTTCTTAGCGCCAGGA 120
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|||
QY 121 AAACCCCGGACTTAACACCGCGCGCTCGGACACTGCACGGGGCCCAAGCCGAGAA 180
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DB 131 AAACCCCGGACTTAACACCGCGCGCTCGGACACTGCACGGGGCCCAAGCCGAGAA 190
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QY 181 GGACGAGGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 240
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DB 191 GGACGAGGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 250
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QY 241 AGCAGCTGGGAAAGAGGAGAGTGTCTTAAATTACGGCCCAACGATGATATCCG 300
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DB 251 AGCAGCTGGGAAAGAGGAGAGTGTCTTAAATTACGGCCCAACGATGATATCCG 310
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QY 301 GGCGCTGGCGGTCTGGGGGCTGGGAATGCGGAGAGAAACAAGGCATGCCAGTGGG 360
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DB 311 GCGCGCTGCGCTGTGGGGGCTGGGAATGCGGAGAGAAACAAGGAGTCCAGTGGG 370
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QY 361 GCGCGCAGCATGAGGGTCTTGAGCA---CGCCGCGCGGGGACTAGTGAAGAGTGGCA 417
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DB 371 GCGCGCAGCATGAGGGTCTTGAGCA---CGCCGCGCGGGGACTAGTGAAGAGTGGCA 430
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QY 418 CACTCTGGGAAGCGCGCGGAGTCCCAACGAGTCAACCGTTTGGGAGCGCGGATC 477
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DB 431 CAGTCTCGGAAGCGCGCGGAGTCCCAACGAGTCAACCGTTTGGGAGCGCGGATC 490
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QY 478 CAGTCAATGATGAGGAGCGCGCGGAGTCCCAACGAGTCAACCGTTTGGGAGCGCGGAG 537
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DB 491 CAGTCAATGATGAGGAGCGCGCGGAGTCCCAACGAGTCAACCGTTTGGGAGCGCGGAG 550
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QY 538 CCAACTGCGGAGACCTTGCACCTTCACCCGACCGGTCGATGATGCTGCCGCGAGGCG 597
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DB 551 CCAACTGCGGAGACCTTGCACCTTCACCCGACCGGTCGATGATGCTGCCGCGAGGCG 610
|||
QY 598 TTCTGACACGCTGGT 657
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DB 611 TTCTGACACGCTGGT 670
|||
QY 658 TGGGCTGCTGCGCCGCTGAGCTTGGCGGAGAGGCGGCGGACCGGACGCTGACGAGTAC 717
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DB 671 TGGGCTGCTGCGCCGCTGAGCTTGGCGGAGAGGCGGCGGACCGGACGCTGACGAGTAC 730
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QY 718 CTGCGCAGACCCAGCGGGGAGTACGAGCGGACGCTTCCCGAGCGCGCCCAACGACTTATTT 777
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DB 731 CTGCGCAGACCCAGCGGGGAGTACGAGCGGACGCTTCCCGAGCGCGCCCAACGACTTATTT 790
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QY 778 TCTTACCAATTTTCCACCCCGACCACTTAATTCATGAAGCTCCCAACGGGAGCGG 837
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DB 791 TCTTACCAATTTTCCACCCCGACCACTTAATTCATGAAGCTCCCAACGGGAGCGG 850
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RESULT 6
US-08-822-936-3
; Sequence 3, Application US/08822936
; Patent No. 6242575
; GENERAL INFORMATION:
; APPLICANT: Massague, Joan
; APPLICANT: Roberts, James M.
; APPLICANT: Koff, Andrew
; APPLICANT: Polyak, Kornelia
; TITLE OF INVENTION: Isolated p27 Protein, Nucleic Acid
; TITLE OF INVENTION: Molecules Encoding Same, Methods of Identifying Agents Acti
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Foley, Hoag & Eliot, LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/822,936
FILING DATE: 21-FEBRUARY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-079.05
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1000
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:

LENGTH: 850 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 338..751
US-08-822-936-3

Query Match 97.1%; Score 812.8; DB 4; Length 850;
Best Local Similarity 98.8%; Pred. No. 2.4e-173;
Matches 830; Conservative 0; Mismatches 7; Indels 3; Gaps 1;

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QY 1 GAGGACTCCGCGAGCGTCCGACCCCTGGGCGCAGAGCGGCTTTGAGTCGGCTGCTTCG 60
DB 11 GAGGACTCCGCGAGCGTCCGACCCCTGGGCGCAGAGCGGCTTTGAGTCGGCTGCTTCG 70
QY 61 CGCTAGGCGCTTTTCCAGAGGAATCCAGGCGCGCGCTGCTTCTGAGCGCCAGGA 120
DB 71 CGCTAGGCGCTTTTCCAGAGGAATCCAGGCGCGCGCTGCTTCTGAGCGCCAGGA 130
QY 121 AAAGCCCGAGCTAAACGACCGCGCTCGGCACTGCAAGGCGGCCCAAGCCGAGAA 180
DB 131 AAAGCCCGAGCTAAACGACCGCGCTCGGCACTGCAAGGCGGCCCAAGCCGAGAA 190
QY 181 GGAGCAGCGGAGAGGTATGAAGCTGAGCCCGAGTCTCTAGGAAGAGAGTGGCCG 240
DB 191 GGAGCAGCGGAGAGGTATGAAGCTGAGCCCGAGTCTCTAGGAAGAGAGTGGCCG 250
QY 241 AGCAGCTGGGGAAGAGGAAGAGTGTCTTAAGTTACGGCCACGCTGATTTATCCG 300
DB 251 AGCAGCTGGGGAAGAGGAAGAGTGTCTTAAGTTACGGCCACGCTGATTTATCCG 310
QY 301 GCGCGCTCGCGCTCTGGGGGCTGCGGAATGCGGAGAAACAAGGCGATGCCAGTGG 360
DB 311 GCGCGCTCGCGCTCTGGGGGCTGCGGAATGCGGAGAAACAAGGCGATGCCAGTGG 370
QY 361 GCGCGCAGCGATGAGAGGTCTGGCCA---CGCCGCGCGGCGGACATGAGGAAGAAGTGG 417
DB 371 GCGCGCAGCGATGAGAGGTCTGGCCA---CGCCGCGCGGCGGACATGAGGAAGAAGTGG 430
QY 418 CACTCTGGGAAGCGCGCGGCGGATCCCAACGAGTCAACGCTTTCGSGAGCGCGCATC 477
DB 431 CAGCTCTGGAAGCGCGCGGCGGATCCCAACGAGTCAACGCTTTCGSGAGCGCGCATC 490
QY 478 CAGCTCATGATGATGGGAGCGCGCGCTGGCGAGTGTCTGCTCAGCGCGCGAG 537
DB 491 CAGCTCATGATGATGGGAGCGCGCGCTGGCGAGTGTCTGCTCAGCGCGCGAG 550
QY 538 CCCAATGGGAGAGCGCTGCGCACTTCAACCGAGCGGATGATGATGATGATGATGATG 597
DB 551 CCCAATGGGAGAGCGCTGCGCACTTCAACCGAGCGGATGATGATGATGATGATGATG 610
QY 598 TTCTGAGACACCTGTGTGTCTGACCGGCGCGGCGGCTGAGCTGCGCGATGCC 657
DB 611 TTCTGAGACACCTGTGTGTCTGACCGGCGCGGCGGCTGAGCTGCGCGATGCC 670
QY 658 TGGGGTCTGTGCGCGCTGAGCTTGGCCGAGAGCGGCGGCGGAGCTGAGAGGTAC 717
DB 671 TGGGGTCTGTGCGCGCTGAGCTTGGCCGAGAGCGGCGGCGGAGCTGAGAGGTAC 730
QY 718 CTGGCGACAGCGAGGAGGAGTGAAGCGGCTTCCCAAGCGCCCAACAGCACTTATTT 777
DB 731 CTGGCGACAGCGAGGAGGAGTGAAGCGGCTTCCCAAGCGCCCAACAGCACTTATTT 790
QY 778 TCTTACCAATTTTCCACCCCAACCCACCTAATTCATGAGAGGTGCCAAGCGGAGCG 837
DB 791 TCTTACCAATTTTCCACCCCAACCCACCTAATTCATGAGAGGTGCCAAGCGGAGCG 850
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RESULT 7

PCT-US95-04636-3
Sequence 3, Application PC/TUS9504636
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
TITLE OF INVENTION: Related Thereto
NUMBER OF SEQUENCES: 10
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Ascii(text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04636
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/346,147
FILING DATE: 29-NOV-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEP-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/227,371
FILING DATE: 14-APR-1994
INFORMATION FOR SEQ. ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 850 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 338..751
PCT-US95-04636-3

Query Match 97.1%; Score 812.8; DB 5; Length 850;
Best Local Similarity 98.8%; Pred. No. 2.4e-173;
Matches 830; Conservative 0; Mismatches 7; Indels 3; Gaps 1;

```
QY 1 GAGGACTCCGCGAGCGTCCGACCCCTGGGCGCAGAGCGGCTTTGAGTCGGCTGCTTCG 60
DB 11 GAGGACTCCGCGAGCGTCCGACCCCTGGGCGCAGAGCGGCTTTGAGTCGGCTGCTTCG 70
QY 61 CGCTAGGCGCTTTTCCAGAGGAATCCAGGCGCGCGCTGCTTCTGAGCGCCAGGA 120
DB 71 CGCTAGGCGCTTTTCCAGAGGAATCCAGGCGCGCGCTGCTTCTGAGCGCCAGGA 130
QY 121 AAAGCCCGAGCTAAACGACCGCGCTCGGCACTGCAAGGCGGCCCAAGCCGAGAA 180
DB 131 AAAGCCCGAGCTAAACGACCGCGCTCGGCACTGCAAGGCGGCCCAAGCCGAGAA 190
QY 181 GGAGCAGCGGAGAGGTATGAAGCTGAGCCCGAGTCTCTAGGAAGAGAGTGGCCG 240
DB 191 GGAGCAGCGGAGAGGTATGAAGCTGAGCCCGAGTCTCTAGGAAGAGAGTGGCCG 250
QY 241 AGCAGCTGGGGAAGAGGAAGAGTGTCTTAAGTTACGGCCACGCTGATTTATCCG 300
DB 251 AGCAGCTGGGGAAGAGGAAGAGTGTCTTAAGTTACGGCCACGCTGATTTATCCG 310
QY 301 GCGCGCTCGCGCTCTGGGGGCTGCGGAATGCGGAGAGAAACAAGGCGATGCCAGTGG 360
DB 311 GCGCGCTCGCGCTCTGGGGGCTGCGGAATGCGGAGAGAAACAAGGCGATGCCAGTGG 370
QY 361 GCGCGCAGCGATGAGAGGTCTGGCCA---CGCCGCGCGGCGGAGCTAGTGAAGAGTGG 417
DB 371 GCGCGCAGCGATGAGAGGTCTGGCCA---CGCCGCGCGGCGGAGCTAGTGAAGAGTGG 430
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Db 666 CCTGGGGTGTCTGCCCGTGGACTTGGCCGAGAGCGGGGCCACCGCGACGTGCGAGGT 725

Qy 716 ACCTGGCACACGACCGAGGGGACTGA 741

Db 726 ACCTGGCACACGACCGAGGGGACTGA 751

RESULT 9

US-08-487-033-15

Sequence 15, Application US/08487033

Patent No. 5739027

GENERAL INFORMATION:

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: MTS1L-Beta GENE

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/487,033

FILING DATE: 07-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/03316

FILING DATE: 17-MAR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/251,938

FILING DATE: 01-JUN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,087

FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,086

FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,369

FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/214,582

FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 24884-109348-C

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-4810

TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 751 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: 335..751

COUNTRY: USA

ZIP: 20005

US-08-487-033-15

Query Match 80.9%; Score 677.2; DB 1; Length 751;

Best Local Similarity 97.9%; Pred. No. 4.5e-143;

Matches 730; Conservative 0; Mismatches 8; Indels 8; Gaps 4;

Qy 1 GAGGACTCCGCGAGC--GTCCGACCCCTGCGGCCAGAGCGGCTTTGAGCTCGCTGCTCC 59

Db 9 GAGGACTCCGCGAGCCTCCGCAACCCCTGCGGCCAGAGCGGCTTTGAGCTCGCTGCTCC 68

Qy 60 GCGCTAGGCGCTTTTCCCAAGCAATCCAGCGCGCGCCGCTGTCTTTGAGCGCCAG 119

Db 69 GCGCTAGGCGCTTTTCCCAAGCAATCCAGCGCGCGCCGCTGTCTTTGAGCGCCAG 128

Qy 120 AAAAGCCCGGAGCTAAAGACCGCGCGCTCGG--CACTGACAGGGGCCCCAAGCCGAGAA 178

Db 129 AAAAGCCCGGAGCTAAAGACCGCGCGCTCGG--CACTGACAGGGGCCCCAAGCCGAGAA 185

Qy 179 AAGGACGAGCGGAGGCTAATGAAGCTGAGCCAGGCTCTCTAGGAAGAGAGAGTCCGC 238

Db 186 AAGGACGAGCGGAGGCTAATGAAGCTGAGCCAGGCTCTCTAGGAAGAGAGAGTCCGC 245

Qy 239 GGAGCAGCTGGGAAAGAGGAAAGAGTGTCTTAACTTACGGCCACAGCGTGGATTATC 298

Db 246 GGAGCAGCTGGGAAAGAGGAAAGAGTGTCTTAACTTACGGCCACAGCGTGGATTATC 305

Qy 299 CGGGCGCTGGCGCTCTGGGGGCTGGGAGTGGCGGAGAACAGAGGCGATGCCAGTG 358

Db 306 CGGGCGCTGGCGCTCTGGGGGCTGGGAGTGGCGGAGAACAGAGGCGATGCCAGTG 365

Qy 359 GGGGCGGACGAGTGAAGGCTGTGGCCA--CGCGCGCGCGGGGACTAGTGGAGAGGTGC 415

Db 366 GGGGCGGACGAGTGAAGGCTGTGGCCA--CGCGCGCGCGGGGACTAGTGGAGAGGTGC 425

Qy 416 GACACTCTGGGAAAGCGCGCGGATGCCAAGGAGTCAACCGTTTGGGAGCGCGCCA 475

Db 426 GACACTCTGGGAAAGCGCGCGGATGCCAAGGAGTCAACCGTTTGGGAGCGCGCCA 485

Qy 476 TCCAGTCTATGATGATGGGAGCGCGCGGCTGGCGGAGCTGTGCTGTCCACAGCGCGG 535

Db 486 TCCAGTCTATGATGATGGGAGCGCGCGGCTGGCGGAGCTGTGCTGTCCACAGCGCGG 545

Qy 536 AGCCCACTGCGGACGACCTGTCCACTCTACCCGAGCGGATGATGTCTGCCGGGAGG 595

Db 546 AGCCCACTGCGGACGACCTGTCCACTCTACCCGAGCGGATGATGTCTGCCGGGAGG 605

Qy 596 GCTTCTGTGACGCGCTGT 655

Db 606 GCTTCTGTGACGCGCTGT 665

Qy 656 CCTGGGTCGTCTGCGGCTGTGACTGTGCGAGGAGCGGGGCCACCGGAGCTTGACAGGT 715

Db 666 CCTGGGTCGTCTGCGGCTGTGACTGTGCGAGGAGCGGGGCCACCGGAGCTTGACAGGT 725

Qy 716 ACCTGGCACACGACCGAGGGGACTGA 741

Db 726 ACCTGGCACACGACCGAGGGGACTGA 751

RESULT 10

US-08-480-810-15

Sequence 15, Application US/08480810

Patent No. 5801236

GENERAL INFORMATION:

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: MTS1 GENE

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

US-08-480-810-15

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,810
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 751 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 335..751
US-08-480-810-15

Query Match 80.98; Score 677.2; DB 1; Length 751;
Best Local Similarity 97.98; Pred. No. 4.5e-143;
Matches 730; Conservative 0; Mismatches 8; Indels 8; Gaps 4;

1 GAGAGCTCCGGAGAGC-GTCCGACCTGCGGCGAGCGGCTTGAGCTGGCGTCTCC 59
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9 GAGAGCTCCGGAGAGCTCCGACCTGCGGCGAGCGGCTTGAGCTGGCGTCTCC 68
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60 GCGGTAGGCGCTTTTCCCAAGCAATCCAGGCGCGCGCTGGTCTTGAGCGCCAGG 119
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69 GCGGTAGGCGCTTTTCCCAAGCAATCCAGGCGCGCGCTGGTCTTGAGCGCCAGG 128
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120 AAAAGCCGGAGCTAAGAGCGGCGCTCGG-CAGTCGAGGGGCCCCCAAGCCGAGAG 178
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129 AAAAGCCGGAGCTAAGAGCGGCGCTCGGCGCTCGAGCGGCCCCCAAGCCGCGC--AG 185
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179 AAGGACGAGCGGAGGATGAAGCTGAGCCAGGCTCCAGGAGAGAGAGTGCGCC 238
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186 AAGGACGAGCGGAGGATGAAGCTGAGCCAGGCTCTCTAGAGAGAGAGAGTGCGCC 245
|||||
239 GGAGCAGCGTGGGAAGAAGAGAGAGTGTGTTAAGTTACGGCCCAACGATGATTATC 298
|||||

246 GGAGCAGCGTGGGAAGAAGAGAGAGTGTGTTAAGTTACGGCCCAACGATGATTATC 305
299 CGGCGCGTGGCGGCTGTGGGGGCTGGGAATGCGGAGAGAAACAAGGGCATGCCAGTG 358
306 CGGCGCGTGGCGGCTGTGGGGGCTGGGAATGCGGAGAGAAACAAGGGCATGCCAGTG 365
359 GGGCGCGAGCATGAGGGTCTGGCCA--CGCGCGCGGGGAGTGTGAGAGAGAGTGCC 415
366 GGGCGCGAGCATGAGGGTCTGGCCAAGGCGCGCGGGGAGTGTGAGAGAGAGTGCC 425
416 GACACTCTGGGGAAGCGGCGCGGATCCCAACGAGTCAACGTTTGGGAGCGCGCA 475
426 GACAGCTCTGGGAAGCGGCGCGGATCCCAACGAGTCAACGTTTGGGAGCGCGCA 485
476 TCCAGTCAATGATGAGGAGCGCGCGGAGTGTGCTGTCTCCACGCGCGG 535
486 TCCAGTCAATGATGAGGAGCGCGCGGAGTGTGCTGTCTCCACGCGCGG 545
536 AGCCCAACTGCGAGACCTGCGCACTCTACCCGACCGGTGATGCTGCGCGGAGG 595
546 AGCCCAACTGCGAGACCTGCGCACTCTACCCGACCGGTGATGCTGCGCGGAGG 605
596 GCTTCTGGAACAGCTGTGTGTGCTGACCGGCGCGGCGGCTGAGAGTGGCGCATG 655
606 GCTTCTGGAACAGCTGTGTGTGCTGACCGGCGCGGCGGCTGAGAGTGGCGCATG 665
656 CCTGGGCTGTGTGCGCGTGTGAGTGTGGCCGAGAGGGGGCCACCGGACGTTGAGAGGT 715
666 CCGGGGCTGTGTGCGCGTGTGAGTGTGGCCGAGAGGGGGCCACCGGACGTTGAGAGGT 725
716 ACCTGCGACAGCGGAGGACTGA 741
726 ACCTGCGACAGCGGAGGACTGA 751

RESULT 11
US-08-508-735-15
Sequence 15, Application US/08508735
Patent No. 5843756
GENERAL INFORMATION:
APPLICANT: Stone, Steven
APPLICANT: Jiang, Ping
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/508,735
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US to be assigned
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4848

TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 751 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 335..751
 FEATURE:
 NAME/KEY: misc-feature
 LOCATION: 490..491
 OTHER INFORMATION: /note="Splice site"
 US-08-508-735-15

Query Match 80.9%; Score 677.2; DB 2; Length 751;
 Best Local Similarity 97.9%; Pred. No. 4.5e-143;
 Matches 730; Conservative 0; Mismatches 8; Indels 8; Gaps 4;

QY 1 GAGGACTCCGCGACG-GTCCGACCCCTGGGCGGAGGCGGCTTTAGCTCGGCTCTCC 59
 DB 9 GAGGACTCCGCGACGCGCTCCGACCTTGGGCGGAGGCGGCTTTAGCTCGGCTCTCC 68
 QY 60 GCGCTAGGCGCTTTTCCGAGAGCAATCCAGGCGCGCGCTGCTTTGAGCGCCAG 119
 DB 69 GCGCTAGGCGCTTTTCCGAGAGCAATCCAGGCGCGCGCTGCTTTGAGCGCCAG 128
 QY 120 AAAAGCGCGGACTTAACGACCGCGGCTCGG-CACTGACGCGGCGCCCAAGCGGAGAG 178
 DB 129 AAAAGCGCGGACTTAACGACCGCGGCTCGG-CACTGACGCGGCGCCCAAGCGGAGAG 185
 QY 179 AAGGACGAGCGGAGGTAATGAAGCTGAAGCCAGGCTCTCTAGAGAGAGAGAGTGGCC 238
 DB 186 AAGGACGAGCGGAGGTAATGAAGCTGAAGCCAGGCTCTCTAGAGAGAGAGAGTGGCC 245
 QY 239 GAGGACGCGTGGGAAAGAGGAGAGAGTGTCTTAAGTTACGGGCAACGGTGATATC 298
 DB 246 GAGGACGCGTGGGAAAGAGGAGAGAGTGTCTTAAGTTACGGGCAACGGTGATATC 305
 QY 299 GCGGCGCGTGGGCGCTGCTGGGCGGCTCGGAGATCGGAGAGAGAGAGTGGCGCATG 358
 DB 306 GCGGCGCGTGGGCGCTGCTGGGCGGCTCGGAGATCGGAGAGAGAGAGTGGCGCATG 365
 QY 359 GGGGCGGCGAGGATGAGGCTTGAGCA--CGCGCGCGCGGAGTACTAGTGAAGAGTGC 415
 DB 366 GGGGCGGCGAGGATGAGGCTTGAGCA--CGCGCGCGCGGAGTACTAGTGAAGAGTGC 425
 QY 416 GACACTCTCTGGAAGCGCGCGGATGCCAAGAGTCAACCGTTTGGGAGGCGCGGA 475
 DB 426 GACACTCTCTGGAAGCGCGCGGATGCCAAGAGTCAACCGTTTGGGAGGCGCGGA 485
 QY 476 TCCAGGCTATGATGATGGGACAGCGCGGCTGGCGGAGTCTGCTGCTCCAGCGCGG 535
 DB 486 TCCAGGCTATGATGATGGGACAGCGCGGCTGGCGGAGTCTGCTGCTCCAGCGCGG 545
 QY 536 ACCCCAACTGCGACACCTTGCCTCTACCGGACCGGATGATCTGCGCGGAGG 595
 DB 546 ACCCCAACTGCGACACCTTGCCTCTACCGGACCGGATGATCTGCGCGGAGG 605
 QY 596 GCTTCTCTGACACGCTGTGTGTGCTGACACCGGCGCGGCGCGGCTGAGACGTGCGCATG 655
 DB 606 GCTTCTCTGACACGCTGTGTGTGCTGACACCGGCGCGGCGCGGCTGAGACGTGCGCATG 665
 QY 656 CCTGGGAGTGTGCTGCGCGTGTGAGCTTGGCGGAGAGCGGCGGCGACGCTGAGAGGT 715
 DB 666 CCTGGGAGTGTGCTGCGCGTGTGAGCTTGGCGGAGAGCGGCGGCGACGCTGAGAGGT 725

QY 716 ACCTGCGACAGCCAGCGGCGGACTGA 741
 DB 726 ACCTGCGACAGCCAGCGGCGGACTGA 751

RESULT 12
 US-08-848-251-15
 Sequence 15, Application US/08848251
 Patent No. 5989815
 GENERAL INFORMATION:
 APPLICANT: Skolnick, Mark H.
 APPLICANT: Cannon-Albright, Lisa A.
 TITLE OF INVENTION: GERMLINE MUTATIONS IN THE MTS GENE AND
 TITLE OF INVENTION: METHOD FOR DETECTING PREDISPOSITION TO CANCER AT THE MTS
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/848,251
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/474,083
 FILING DATE: 07-JUN-1995
 APPLICATION NUMBER: PCT/US95/03537
 FILING DATE: 17-MAR-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,086
 FILING DATE: 18-MAR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,369
 FILING DATE: 14-APR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24884-109348-G
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 751 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE:

NAME/KEY: CDS
LOCATION: 335..751
US-08-848-251-15

Query Match 80.9%; Score 677.2; DB 2; Length 751;
Best Local Similarity 97.9%; Pred. No. 4.5e-143;
Matches 730; Conservative 0; Mismatches 8; Indels 8; Gaps 4;

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QY 1 GAGGACTCCGCGAGC-GTCCGCAACCTTGGCGCAGAGGGCGCTTTGAGCTCGGCTCTCC 59
   |||
DB 9 GAGGACTCCGCGAGC-GTCCGCAACCTTGGCGCAGAGGGCGCTTTGAGCTCGGCTCTCC 68
   |||
QY 60 GCGCTAGGCGCTTTTCCAGAGCAATCCAGGCGCGCCCTGGTTCTTTAGGCGCCAG 119
   |||
DB 69 GCGCTAGGCGCTTTTCCAGAGCAATCCAGGCGCGCCCTGGTTCTTTAGGCGCCAG 128
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QY 120 AAAAGCCCGGAGCTAACGACCGCGCGCTCG-CACTGCACGGGGCCCAAGCCCGAGAG 178
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DB 129 AAAAGCCCGGAGCTAACGACCGCGCGCTCGCACTGCACGGGGCCCAAGCCCGC---AG 185
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QY 179 AAGGACGACGGGAGGCTAATGAGCTGAGCCAGGCTCTCTAGGAAGGAGAGTGCGCC 238
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DB 186 AAGGACGACGGGAGGCTAATGAGCTGAGCCAGGCTCTCTAGGAAGGAGAGTGCGCC 245
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QY 239 GAGGACGCTGGGAAAGAGGAAAGAGTGCTTAAGTTACGGCCAAAGGTTGATTATC 298
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DB 246 GAGGACGCTGGGAAAGAGGAAAGAGTGCTTAAGTTACGGCCAAAGGTTGATTATC 305
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QY 299 GGGGCGCGTGGCGCTGCTGGGGCGCGGAGTGGCGGAGAGAAACAAGGCAATGCCAGTG 358
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QY 359 GGGGCGCGAGGAGTGGAGGCTGGGCA---CGCGCGCGGGGAGGAGTGGAGAGAGTGCG 415
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QY 416 GACGACTCTGGGAAAGCGCGCGGAGTCCCAAGGAGTCAACCGCTTTGGGAGGCGCGGA 475
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DB 426 GACGACTCTGGGAAAGCGCGCGGAGTCCCAAGGAGTCAACCGCTTTGGGAGGCGCGGA 485
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QY 476 TCCAGGTATGATGATGGGCGAGCGCGCGGAGTCTCTGCTCCAGCGCGCG 535
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DB 486 TCCAGGTATGATGATGGGCGAGCGCGCGGAGTCTCTGCTCCAGCGCGCG 545
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QY 536 AGCCCAACTGGCGAGACCTCTCACTCTACCCGACCGGTCATGATGCTGCCGGGAGG 595
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QY 596 GCTTCTGAGACAGCTGCTGCTGCACGCGGCGCGGCGGCTGAGCGTGGCGATG 655
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DB 606 GCTTCTGAGACAGCTGCTGCTGCACGCGGCGCGGCGGCTGAGCGTGGCGATG 665
   |||
QY 656 CCTGGGGTCTGCTGCGCGCTGGACTTGGCGGAGGCGGGCGGACCGGAGAGTTCAGAGGT 715
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DB 666 CCTGGGGTCTGCTGCGCGCTGGACTTGGCGGAGGCGGGCGGACCGGAGAGTTCAGAGGT 725
   |||
QY 716 ACCTGCGACAGACCGAGGCGGAGCTGA 741
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DB 726 ACCTGCGACAGACCGAGGCGGAGCTGA 751
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RESULT 13
US-08-486-047-15
Sequence 15, Application US/08486047
Patent No. 5994095
GENERAL INFORMATION:
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS2 GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000

```

? CITY: Washington
? STATE: DC
? COUNTRY: USA
? ZIP: 20005
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/486,047
? FILING DATE: 07-JUN-1995
? CLASSIFICATION: 435
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: PCT/US95/03316
? FILING DATE: 17-MAR-1995
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/251,938
? FILING DATE: 01-JUN-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/215,087
? FILING DATE: 18-MAR-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/215,086
? FILING DATE: 18-MAR-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/227,369
? FILING DATE: 14-APR-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/214,582
? FILING DATE: 18-MAR-1994
? ATTORNEY/AGENT INFORMATION:
? NAME: Ihnen, Jeffrey L.
? REGISTRATION NUMBER: 28,957
? REFERENCE/DOCKET NUMBER: 24884-109348-B
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 202-962-4810
? TELEFAX: 202-962-8300
? INFORMATION FOR SEQ. ID NO: 15:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 751 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: linear
? MOLECULE TYPE: cDNA
? HYPOTHETICAL: NO
? ANTI-SENSE: NO
? ORIGINAL SOURCE:
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 335..751
? US-08-486-047-15

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Query Match 80.9%; Score 677.2; DB 2; Length 751;
Best Local Similarity 97.9%; Pred. No. 4.5e-143;
Matches 730; Conservative 0; Mismatches 8; Indels 8; Gaps 4;

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DB 69 GCGCTAGGCGCTTTTCCAGAGCAATCCAGGCGCGCCCTGGTTCTTTAGGCGCCAG 128
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QY 120 AAAAGCCCGGAGCTAACGACCGCGCGCTCG-CACTGCACGGGGCCCAAGCCCGAGAG 178
   |||
DB 129 AAAAGCCCGGAGCTAACGACCGCGCGCTCGCACTGCACGGGGCCCAAGCCCGC---AG 185
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QY 179 AAGGACGACGGGAGGCTAATGAGCTGAGCCAGGCTCTCTAGGAAGGAGAGTGCGCC 238
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Db 186 AAGGACGAGGAGGAGTATGAGCTGAGCCAGGTCTCTAGGAGAGAGAGTGGCC 245
QY 239 GGAGCAGCGTGGGAAAGAGAGAGTGTGTTAAGTTACGGCCACAGGTGATTATC 298
Db 246 GGAGCAGCGTGGGAAAGAGAGAGTGTGTTAAGTTACGGCCACAGGTGATTATC 305
QY 299 GGGGCGCGTGGGCGCTGGGGGATGGCGAGAGAGAGAGAGAGAGTGGCCAGTG 358
Db 306 GGGGCGCGTGGGCGCTGGGGGATGGCGAGAGAGAGAGAGAGTGGCCAGTG 365
QY 359 GGGGCGCGAGGATGAGGCTTGCGCA--CGCGCGCGGGGAGTGAAGAGGTGC 415
Db 366 GGGGCGCGAGGATGAGGCTTGCGCAAGCGCGCGGGAGTGAAGAGGTGC 425
QY 416 GACACTCTGGGAAAGCGCGCGGATGCCAAGAGAGTGAACCGTTTGGGGAGCGCGA 475
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Db 486 TCCAGTCTGATGATGAGGAGCGCGCGGAGTGTGCTGCTCCAGCGCGG 545
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Db 546 AGCCCACTGGCGAGACCCCTGCACTCTACCCGACCGGTGATGATGATGATGATG 605
QY 596 GCTTCTGGAGACGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 655
Db 606 GCTTCTGGAGACGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 665
QY 656 CTTGGGCTGT 715
Db 666 CTTGGGCTGT 725
QY 716 ACCTGCGCAGACGACGAGGAGGAGTGA 741
Db 726 ACCTGCGCAGACGACGAGGAGGAGTGA 751

RESULT 14
US-09-120-130-15
Sequence 15, Application us/09120130
Patent No. 6037462
GENERAL INFORMATION:
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS1 GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/120.130
CLASSIFICATION:
FILING DATE:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/480,810
FILING DATE:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Imen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 751 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 335..751
US-09-120-130-15

Query Match 80.9%; Score 677.2; DB 3; Length 751;
Best Local Similarity 97.9%; Pred. No. 4.5e-143;
Matches 730; Conservative 0; Mismatches 8; Indels 8; Gaps 4;

QY 1 GAGGACTCCGCGAGC-GTCCGACCCCTGGCGCAGAGCGGCTTTGAGCTGGCTGCTCC 59
Db 9 GAGGACTCCGCGAGCGCTGCCGACCCCTGGCGCAGAGCGGCTTTGAGCTGGCTGCTCC 68
QY 60 GCGCTAGGCGCTTTTCCCGAAGCAATCCAGCGCGCGCGCTGTGTTGAGCGCGCAGG 119
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QY 120 AAAAGCCCGAGCTAAAGACCGCGCGCTCGG-CACTGACAGGGGCCCCAAGCCGCAAG 178
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QY 179 AAGGACGACGGAGGAGTAAAGCTGAGCCAGGCTCTCTAGGAAGAGAGAGTGGCC 238
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QY 239 GGAGCAGCGTGGGAAAGAGAGAGTGTGTTAAGTTACGGCCACAGGTGATTATC 298
Db 246 GGAGCAGCGTGGGAAAGAGAGAGTGTGTTAAGTTACGGCCACAGGTGATTATC 305
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Db 306 GGGGCGCGTGGGCGCTGGGGGATGGCGAGAGAGAGAGAGAGTGGCCAGTG 365
QY 359 GGGGCGCGAGGATGAGGCTTGCGCA--CGCGCGCGGGGAGTGAAGAGGTGC 415
Db 366 GGGGCGCGAGGATGAGGCTTGCGCAAGCGCGCGGGAGTGAAGAGGTGC 425
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Db 426 GACACTCTGGGAAAGCGCGCGGATGCCAAGAGAGTGAACCGTTTGGGGAGCGCGA 485
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QY 536 AGCCCACTGGCGAGACCTGCGACTCTACCCGAGCGGTGATGATGATGATGATGATG 595

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: August 24, 2001, 17:48:13 ; Search time 25.02 seconds
(without alignments)
112.745 Million cell updates/sec

Title: US-09-016-869A-4
Perfect score: 717
Sequence: 1 MREENKMPGSGGSDGLAT.....LAERGRHVDVAGYLTATGCD 137

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
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6: /cgn2_6/ptodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	717	100.0	137	2	US-08-306-511A-4
2	717	100.0	137	2	US-08-893-274-4
3	700.5	97.7	136	5	PCT-US96-05252-6
4	667.5	93.1	138	1	US-08-474-177-16
5	667.5	93.1	138	1	US-08-487-033-16
6	667.5	93.1	138	2	US-08-480-810-16
7	667.5	93.1	138	2	US-08-508-735-16
8	667.5	93.1	138	2	US-08-627-610-4
9	667.5	93.1	138	2	US-08-848-251-16
10	667.5	93.1	138	2	US-08-486-047-16
11	667.5	93.1	138	3	US-08-384-106A-25
12	667.5	93.1	138	3	US-09-120-130-16
13	667.5	93.1	138	3	US-08-581-918A-4
14	667.5	93.1	138	3	US-09-115-252-16
15	667.5	93.1	138	3	US-08-986-515-16
16	667.5	93.1	138	3	US-09-120-128-16
17	667.5	93.1	138	4	US-09-120-129-16
18	667.5	93.1	138	4	US-09-201-139-16
19	667.5	93.1	138	4	US-08-346-147B-4
20	667.5	93.1	138	4	US-09-120-131-16
21	667.5	93.1	138	4	US-08-822-936-4
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25	549.5	76.6	130	2	US-08-627-610-8
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33	506.5	70.6	156	1	US-08-487-033-2	Sequence 2, Appl1
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38	506.5	70.6	156	3	US-09-120-130-2	Sequence 2, Appl1
39	506.5	70.6	156	3	US-09-115-252-2	Sequence 2, Appl1
40	506.5	70.6	156	3	US-08-986-515-2	Sequence 2, Appl1
41	506.5	70.6	156	4	US-09-120-128-2	Sequence 2, Appl1
42	506.5	70.6	156	4	US-09-120-129-2	Sequence 2, Appl1
43	506.5	70.6	156	4	US-09-201-139-2	Sequence 2, Appl1
44	506.5	70.6	156	4	US-09-120-131-2	Sequence 2, Appl1
45	506.5	70.6	156	4	US-08-910-722-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-08-306-511A-4
: Sequence 4, Application US/08306511A
: Patent No. 5962316
: GENERAL INFORMATION:
: APPLICANT: Beach, David H.
: APPLICANT: Demetrick, Douglas J.
: APPLICANT: Serrano, Manuel
: APPLICANT: Hannon, Gregory J.
: TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
: NUMBER OF SEQUENCES: 11
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: LAHIVE & COCKFIELD
: STREET: 60 State Street
: CITY: Boston
: STATE: MA
: COUNTRY: USA
: ZIP: 02109
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: ASCII(text)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/306,511A
: FILING DATE: 14-SEP-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Vincent, Matthew P.
: REGISTRATION NUMBER: 36,709
: REFERENCE/DOCKET NUMBER: CSI-001CP2
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 227-7400
: TELEFAX: (617) 227-5941
: INFORMATION FOR SEQ ID NO: 4:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 137 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-306-511A-4

Query Match 100.0%; Score 717; DB 2; Length 137;
Best Local Similarity 100.0%; Pred. No. 8.1e-81;
Matches 137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MREENKMPGSGGSDGLATPARGLVEKVRHSWEAGADPNVNRGRRRAIQVMGMSARV 60
DB 1 MREENKMPGSGGSDGLATPARGLVEKVRHSWEAGADPNVNRGRRRAIQVMGMSARV 60

QY 61 AELLHGAEPNCADPATLTRPVHDAAREGFLDTLVVYLRHAGARLDVDMGRLPVDLAE 120
Db 61 AELLHGAEPNCADPATLTRPVHDAAREGFLDTLVVYLRHAGARLDVDMGRLPVDLAE 120
QY 121 ERGHRDVAGYLRATGTD 137
Db 121 ERGHRDVAGYLRATGTD 137

RESULT 2
US-08-893-274-4
; Sequence 4, Application US/08893274
; Patent No. 5968821
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demeritick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,
; TITLE OF INVENTION: and Uses Related Thereto
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/893,274
FILING DATE: 15-JULY-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEPTEMBER-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,371
FILING DATE: 14-APRIL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/154,915
FILING DATE: 18-NOVEMBER-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DECEMBER-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/963,308
FILING DATE: 16-OCTOBER-1992
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-071.09
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1000
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 137 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-893-274-4

Query Match 100.0%; Score 717; DB 2; Length 137;

Best Local Similarity 100.0%; Pred. No. 8,1e-81;
Matches 137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MREENKMGPSGGSDGLATPARGLVEKVRHSMWAGADPNVNRGRRATQVMMGSAV 60
Db 1 MREENKMGPSGGSDGLATPARGLVEKVRHSMWAGADPNVNRGRRATQVMMGSAV 60
QY 61 AELLHGAEPNCADPATLTRPVHDAAREGFLDTLVVYLRHAGARLDVDMGRLPVDLAE 120
Db 61 AELLHGAEPNCADPATLTRPVHDAAREGFLDTLVVYLRHAGARLDVDMGRLPVDLAE 120
QY 121 ERGHRDVAGYLRATGTD 137
Db 121 ERGHRDVAGYLRATGTD 137

RESULT 3
PCT-US96-05252-6
; Sequence 6 Application PC/TUS9605252
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: p19: A Cell Cycle Inhibitor
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Stewart Street Tower
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-1492
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/05252
FILING DATE: Not yet assigned
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/425,093
FILING DATE: 17-APR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen L.
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 02307B-059910PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-5043
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 136 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..136
OTHER INFORMATION: /note= "human p15"
PCT-US96-05252-6

Query Match 97.7%; Score 700.5; DB 5; Length 136;
Best Local Similarity 99.3%; Pred. No. 8.7e-79;
Matches 136; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MREENKMGPSGGSDGLATPARGLVEKVRHSMWAGADPNVNRGRRATQVMMGSAV 60
Db 1 MREENKMGPSGGSDGLATPARGLVEKVRHSMWAGADPNVNRGRRATQVMMGSAV 59
QY 61 AELLHGAEPNCADPATLTRPVHDAAREGFLDTLVVYLRHAGARLDVDMGRLPVDLAE 120

Db 60 AELLLLHGAEPRNCAPRALTLTPYDARREGFLDTLVVLRHAGARLDVRAMGRLPVLDLAE 119

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120 ERGHRDVGAGLTATGSD 136

Db

RESULT 4
US-08-474-177-16
; Sequence 16, Application US/08474177

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1      GENERAL INFORMATION:
2      APPLICANT: Skolnick, Mark H.
3      APPLICANT: Cannon-Albright, Lisa A.
4      APPLICANT: Kamd, Alexander
5      TITLE OF INVENTION: GERMLINE MUTATIONS IN THE MTS GENE
6      NUMBER OF SEQUENCES: 36
7      CORRESPONDENCE ADDRESS:
8      ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLE
9      STREET: 1201 New York Avenue, Suite 1000
10     CITY: Washington
11     STATE: DC
12     COUNTRY: USA
13     ZIP: 20005
14     COMPUTER READABLE FORM:
15     MEDIUM TYPE: Floppy disk
16     COMPUTER: IBM PC compatible
17     OPERATING SYSTEM: PC-DOS/MS-DOS
18     SOFTWARE: PatentIn Release #1.0, Version #1.30
19     CURRENT APPLICATION DATA:
20     APPLICATION NUMBER: US/08/474,177
21     FILING DATE: 07-JUN-1995
22     CLASSIFICATION: 435
23     PRIOR APPLICATION DATA:
24     APPLICATION NUMBER: PCT/US95/03537
25     FILING DATE: 17-MAR-1995
26     PRIOR APPLICATION DATA:
27     APPLICATION NUMBER: US 08/251,938
28     FILING DATE: 01-JUN-1994
29     PRIOR APPLICATION DATA:
30     APPLICATION NUMBER: US 08/215,087
31     FILING DATE: 18-MAR-1994
32     PRIOR APPLICATION DATA:
33     APPLICATION NUMBER: US 08/215,086
34     FILING DATE: 18-MAR-1994
35     PRIOR APPLICATION DATA:
36     APPLICATION NUMBER: US 08/227,369
37     FILING DATE: 14-APR-1994
38     PRIOR APPLICATION DATA:
39     APPLICATION NUMBER: US 08/214,582
40     FILING DATE: 18-MAR-1994
41     ATTORNEY/AGENT INFORMATION:
42     NAME: Ihnen, Jeffrey L.
43     REGISTRATION NUMBER: 28,957
44     REFERENCE/DOCKET NUMBER: 24884-109348-E
45     TELECOMMUNICATION INFORMATION:
46     TELEPHONE: 202-962-4810
47     TELEFAX: 202-962-8300
48     INFORMATION FOR SEQ ID NO: 16:
49     SEQUENCE CHARACTERISTICS:
50     LENGTH: 138 amino acids
51     TYPE: amino acid
52     TOPOLOGY: linear
53     MOLECULE TYPE: protein
54     US-08-474-177-16

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Query Match          93.1%; Score 667.5; DB 1, Length 138;
Best Local Similarity 95.7%; Pred. No. 1e-74;
Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1.

07 1 MREENKMPGGSDGLAT-PARGIVKVRIRSMAGADPWCNVRFRRAIQVMMMSAR 59
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Db	1	MREFNKMPAGGGSDGGLASAAARGLYAKVYRQLLEAGADNGNVNFRGRRAIVGMAMGSA	60
Qy	60	VAEILLIHGEPKACDPATLTFRPYDARREGEFLDTLVYLRAGARLDVDMDAGRLPVLA	119
Db	61	VAEILLIHGEPKACDPATLTFRPYDARREGEFLDTLVYLRAGARLDVDMDAGRLPVLA	120
Qy	120	EEGRHRYVAGYLRTATG	137
Db	121	EEGRHRYVAGYLRTATG	138

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1      RESULT 5
2      US-08-487-033-16
3      ; Sequence 16, Application US/08487033
4      ; Patent No. 3739027
5      ; GENERAL INFORMATION:
6      ; APPLICANT: Kamd, Alexander
7      ; TITLE OF INVENTION: MTS1E1-Beta CENE
8      ; NUMBER OF SEQUENCES: 36
9      ; CORRESPONDENCE ADDRESS:
10     ; ADDRESS: Venable, Baetjer, Howard & Civiletti, LLP
11     ; STREET: 1201 New York Avenue, Suite 1000
12     ; CITY: Washington
13     ; STATE: DC
14     ; COUNTRY: USA
15     ; ZIP: 20005
16     ; COMPUTER READABLE FORM:
17     ; MEDIUM TYPE: Floppy disk
18     ; COMPUTER: IBM PC compatible
19     ; OPERATING SYSTEM: PC-DOS/MS-DOS
20     ; SOFTWARE: PatentIn Release #1.0, Version #1.30
21     ; CURRENT APPLICATION DATA:
22     ; APPLICATION NUMBER: US/08/487,033
23     ; FILING DATE: 07-JUN-1995
24     ; CLASSIFICATION: 435
25     ; PRIOR APPLICATION DATA:
26     ; APPLICATION NUMBER: PCT/US95/03316
27     ; FILING DATE: 17-MAR-1995
28     ; PRIOR APPLICATION DATA:
29     ; APPLICATION NUMBER: US 08/251,938
30     ; FILING DATE: 01-JUN-1994
31     ; PRIOR APPLICATION DATA:
32     ; APPLICATION NUMBER: US 08/215,087
33     ; FILING DATE: 18-MAR-1994
34     ; PRIOR APPLICATION DATA:
35     ; APPLICATION NUMBER: US 08/215,086
36     ; FILING DATE: 18-MAR-1994
37     ; PRIOR APPLICATION DATA:
38     ; APPLICATION NUMBER: US 08/227,369
39     ; FILING DATE: 14-APR-1994
40     ; PRIOR APPLICATION DATA:
41     ; APPLICATION NUMBER: US 08/214,582
42     ; FILING DATE: 18-MAR-1994
43     ; ATTORNEY/AGENT INFORMATION:
44     ; NAME: Ihnen, Jeffrey L.
45     ; REGISTRATION NUMBER: 28,957
46     ; REFERENCE/DOCKET NUMBER: 24884-109348-C
47     ; TELECOMMUNICATION INFORMATION:
48     ; TELEPHONE: 202-962-810
49     ; TELEFAX: 202-962-8300
50     ; INFORMATION FOR SEQ ID NO: 16:
51     ; SEQUENCE CHARACTERISTICS:
52     ; LENGTH: 138 amino acids
53     ; TYPE: amino acid
54     ; TOPOLOGY: linear
55     ; MOLECULE TYPE: protein
56     ;
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Query Match	93.18;	Score 667.5;	DB 1;	Length 138;
Best Local Similarity	95.7%;	Pred. No. 1e-74;		
Matches 132;	Conservative	1;	Mismatches 4;	Indels 1;
				Gaps 1;

Db 61 VAEILLHGAEPNCADPATLTREPVDAREGFLDTLVILHRAGARLDVDMGRLPVDLA 120
QY 120 EERGHDRVAGYLRTATGD 137
| | | | |
Db 121 EERGHDRVAGYLRTATGD 138

RESULT 8
US-08-627-610-4
; Sequence 4, Application US/08627610
; Patent No. 5919997
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Serrano, Manuel
; APPLICANT: Depinho, Ronald A.
; TITLE OF INVENTION: Transgenic Animals Having Modified Cell-Cycle
; TITLE OF INVENTION: Regulation
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/627,610
; FILING DATE: 04-APR-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: CSI-001CP6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 138 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-627-610-4

Query Match 93.1%; Score 667.5; DB 2; Length 138;
Best Local Similarity 95.7%; Pred. No. 1e-74;
Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;
QY 1 MREENKMGPSGGSGDEGLAT-PARGLVEKRHSWEAGADPNCVNGRRRAIOVMNGSAR 59
| | | | |
Db 1 MREENKMGPSGGSGDEGLASAAARGLVEKRQLLEAGADPNCVNGRRRAIOVMNGSAR 60
QY 60 VAEILLHGAEPNCADPATLTREPVDAREGFLDTLVILHRAGARLDVDMGRLPVDLA 119
| | | | |
Db 61 VAEILLHGAEPNCADPATLTREPVDAREGFLDTLVILHRAGARLDVDMGRLPVDLA 120
QY 120 EERGHDRVAGYLRTATGD 137
| | | | |
Db 121 EERGHDRVAGYLRTATGD 138
RESULT 9
US-08-848-251-16
; Sequence 16, Application US/08848251
; Patent No. 5989815
; GENERAL INFORMATION:
; APPLICANT: Skolnick, Mark H.

APPLICANT: Cannon-Albright, Lisa A.
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: GERMLINE MUTATIONS IN THE MTS GENE AND
TITLE OF INVENTION: METHOD FOR DETECTING PREDISPOSITION TO CANCER AT THE MTS
TITLE OF INVENTION: GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/848,251
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US-08/474,083
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: PCT/US95/03537
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US-08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US-08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US-08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US-08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US-08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348-G
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-8300
TELEFAX: 202-962-4810
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 138 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-848-251-16
Query Match 93.1%; Score 667.5; DB 2; Length 138;
Best Local Similarity 95.7%; Pred. No. 1e-74;
Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;
QY 1 MREENKMGPSGGSGDEGLAT-PARGLVEKRHSWEAGADPNCVNGRRRAIOVMNGSAR 59
| | | | |
Db 1 MREENKMGPSGGSGDEGLASAAARGLVEKRQLLEAGADPNCVNGRRRAIOVMNGSAR 60
QY 60 VAEILLHGAEPNCADPATLTREPVDAREGFLDTLVILHRAGARLDVDMGRLPVDLA 119
| | | | |
Db 61 VAEILLHGAEPNCADPATLTREPVDAREGFLDTLVILHRAGARLDVDMGRLPVDLA 120
QY 120 EERGHDRVAGYLRTATGD 137
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Db 121 EERGHDRVAGYLRTATGD 138

RESULT 10
 US-08-486-047-16
 ; Sequence 16, Application US/08486047
 ; Patent No. 5994095
 ; GENERAL INFORMATION:
 ; APPLICANT: Kamb, Alexander
 ; TITLE OF INVENTION: MTS2 GENE
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/486,047
 ; FILING DATE: 07-JUN-1995
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US95/03316
 ; FILING DATE: 17-MAR-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/251,938
 ; FILING DATE: 01-JUN-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/215,087
 ; FILING DATE: 18-MAR-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/215,086
 ; FILING DATE: 18-MAR-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/227,369
 ; FILING DATE: 14-APR-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/214,582
 ; FILING DATE: 18-MAR-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Imen, Jeffrey L.
 ; REGISTRATION NUMBER: 28,957
 ; REFERENCE/DOCKET NUMBER: 24884-109348-B
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-962-4810
 ; TELEFAX: 202-962-8300
 ; INFORMATION FOR SEQ ID NO: 16:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 138 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-486-047-16
 ;
 Query Match 93.1%; Score 667.5; DB 2; Length 138;
 Best Local Similarity 95.7%; Pred. No. 1e-74;
 Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

Db 121 EERGRDVAGYLRATGTD 138
 |||||
 RESULT 11
 US-08-384-106A-25
 ; Sequence 25, Application US/08384106A
 ; Patent No. 6033847
 ; GENERAL INFORMATION:
 ; APPLICANT: Sherr Ph.D., Charles J.
 ; APPLICANT: Downing M.D., James
 ; APPLICANT: Hirai Ph.D., Hiroshi
 ; APPLICANT: Okuda, Tsukasa
 ; TITLE OF INVENTION: Ink4c-p18 and Ink4d-p19, inhibitors of
 ; CYCLIN dependent kinases CDK4 and CDK6, and uses thereof
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
 ; STREET: 1100 New York Ave., N.W.
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/384,106A
 ; FILING DATE: 06-FEB-1994
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Fox, Samuel L.
 ; REGISTRATION NUMBER: 30,353
 ; REFERENCE/DOCKET NUMBER: 0656.0500000
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-371-2600
 ; TELEFAX: 202-371-2540
 ; INFORMATION FOR SEQ ID NO: 25:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 138 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; US-08-384-106A-25
 ;
 Query Match 93.1%; Score 667.5; DB 3; Length 138;
 Best Local Similarity 95.7%; Pred. No. 1e-74;
 Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

Db 121 EERGRDVAGYLRATGTD 138
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 RESULT 12
 US-09-120-130-16
 ; Sequence 16, Application US/09120130
 ; Patent No. 6037462
 ; GENERAL INFORMATION:
 ; APPLICANT: Kamb, Alexander
 ; TITLE OF INVENTION: MTS1 GENE

NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/120,130
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/480,810
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 138 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-120-130-16

Query Match 93.1%; Score 667.5; DB 3; Length 138;
Best Local Similarity 95.7%; Pred. No. 1e-74;
Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

QY 1 MREKNGMPGSGGSDGLAT-PARGLYEKVRSWEAGADPNCVNRFGRRALIOVMMGSAR 59
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DB 61 VAEILLHGAEPNCADPATLTRPVHDAARBSGLDTLVYLHRAGARLDVDRDAGRLLPVDLA 120
QY 120 EERGHADVAGYLRTATGD 137
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DB 121 EERGHADVAGYLRTATGD 138

RESULT 13
US-08-581-918A-4
; Sequence 4, Application US/08581918A
; Patent No. 6043030
; GENERAL INFORMATION:

APPLICANT: Beach, David H.
APPLICANT: Demetrick, Douglas J.
APPLICANT: Serrano, Manuel
APPLICANT: Hannon, Gregory J.
TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
TITLE OF INVENTION: Related Thereeto
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley, Hoag & Eliot
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordpad
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/581,918A
FILING DATE: 02-JAN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/497,214
FILING DATE: 30-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/346,147
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,371
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/154,915
FILING DATE: 18-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DEC-1992
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1299
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 138 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-581-918A-4

Query Match 93.1%; Score 667.5; DB 3; Length 138;
Best Local Similarity 95.7%; Pred. No. 1e-74;
Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

QY 1 MREKNGMPGSGGSDGLAT-PARGLYEKVRSWEAGADPNCVNRFGRRALIOVMMGSAR 59
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DB 1 MREKNGMPGSGGSDGLASAAARGLYEKVRSWEAGADPNCVNRFGRRALIOVMMGSAR 60
QY 60 VAEILLHGAEPNCADPATLTRPVHDAARBSGLDTLVYLHRAGARLDVDRDAGRLLPVDLA 119
|||||
DB 61 VAEILLHGAEPNCADPATLTRPVHDAARBSGLDTLVYLHRAGARLDVDRDAGRLLPVDLA 120
QY 120 EERGHADVAGYLRTATGD 137

DB 121 EERGRDVAGYLRTATGD 138

RESULT 14

US-09-115-252-16

Sequence 16, Application US/09115252

Patent No. 6060301

GENERAL INFORMATION:

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: MTS1 GENE

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/115,252

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/480,810

FILING DATE: 07-JUN-1995

APPLICATION NUMBER: PCT/US95/03316

FILING DATE: 17-MAR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/251,938

FILING DATE: 01-JUN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,087

FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,369

FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/214,582

FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 24884-109348

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-4810

TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 138 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-115-252-16

Query Match 93.1%; Score 667.5; DB 3; Length 138;

Best Local Similarity 95.7%; Pred. No. 1e-74;

Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

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DB 1 MREENKMGSGGSDGLASAAARGIVEYVHSWEAGADPNVNGRRRAIYVMMGSGAR 60

OY 60 VAEILLHGAEPNADPATLTRPVHDAREGFLDTLVVLRHAGARLDVADAGRLPVDLA 119

DB 61 VAEILLHGAEPNADPATLTRPVHDAREGFLDTLVVLRHAGARLDVADAGRLPVDLA 120

RESULT 15

US-08-986-515-16

Sequence 16, Application US/08986515

Patent No. 6090578

GENERAL INFORMATION:

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: MTS1 GENE

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/986,515

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/480,810

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/251,938

FILING DATE: 01-JUN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,087

FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,369

FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/214,582

FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 24884-109348

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-4810

TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 138 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-986-515-16

Query Match 93.1%; Score 667.5; DB 3; Length 138;

Best Local Similarity 95.7%; Pred. No. 1e-74;

Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

DB 1 MREENKMGSGGSDGLAT-PARGIVEYVHSWEAGADPNVNGRRRAIYVMMGSGAR 59

DB 1 MREENKMGSGGSDGLASAAARGIVEYVHSWEAGADPNVNGRRRAIYVMMGSGAR 60

OY 60 VAEILLHGAEPNADPATLTRPVHDAREGFLDTLVVLRHAGARLDVADAGRLPVDLA 119

QY	60	VAELLLHGAEPNCADPATLTRPVHDAREGFLDTLVVLHAGARLDVRDAMGRLPVDLA	119
Db	61	VAELLLHGAEPNCADPATLTRPVHDAREGFLDTLVVLHAGARLDVRDAMGRLPVDLA	120
QY	120	EERGHDRVAGYLRTATGD	137
Db	121	EERGHDRVAGYLRTATGD	138

Search completed: August 24, 2001, 17:48:13
Job time: 179 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: August 25, 2001, 08:00:14 ; Search time 80.13 Seconds
(without alignments)
2015.255 Million cell updates/sec

Title: US-09-016-869A-5

Perfect score: 853 1 GGAGTACAGCAGCGGAGCA.....GATACCTTTTAAATGTCAA 853

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 324599 seqs, 9465562 residues

Total number of hits satisfying chosen parameters: 649198

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Issued Patents: NA: *
1: /cgn2_6/prodata/1/ina/5A.COMB.seq: *
2: /cgn2_6/prodata/1/ina/5B.COMB.seq: *
3: /cgn2_6/prodata/1/ina/6A.COMB.seq: *
4: /cgn2_6/prodata/1/ina/6B.COMB.seq: *
5: /cgn2_6/prodata/1/ina/PCUS.COMB.seq: *
6: /cgn2_6/prodata/1/ina/Backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	853	100.0	853	2	US-08-306-511A-5
2	853	100.0	853	3	US-08-893-274-5
3	853	100.0	853	4	US-08-581-918A-5
4	853	100.0	853	4	US-08-346-147B-5
5	853	100.0	853	4	US-08-822-936-5
6	853	100.0	853	5	PCR-US95-04636-5
7	672.8	78.9	713	1	US-08-534-975-1
8	672.8	78.9	713	3	US-08-954-470-1
9	672.8	78.9	713	3	US-09-129-855A-1
10	672.8	78.9	713	4	US-09-247-154-1
11	642.8	75.3	857	2	US-08-627-610-5
12	382.2	44.8	507	2	US-08-508-735-44
13	382.2	44.8	507	4	US-09-201-139-44
14	375	44.0	395	1	US-08-474-177-25
15	375	44.0	395	1	US-08-487-033-25
16	375	44.0	395	1	US-08-480-810-25
17	375	44.0	395	2	US-08-508-735-25
18	375	44.0	395	2	US-08-848-251-25
19	375	44.0	395	2	US-08-848-251-25
20	375	44.0	395	3	US-09-120-130-25
21	375	44.0	395	3	US-09-115-252-25
22	375	44.0	395	3	US-08-986-515-25
23	375	44.0	395	3	US-09-120-128-25
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25	375	44.0	395	4	US-09-201-139-25
26	375	44.0	395	4	US-09-120-131-25
27	226	26.5	1131	2	US-08-508-735-13

28	226	26.5	1131	4	US-09-201-139-13	Sequence 13, Appl
29	224.4	26.3	1131	1	US-08-474-177-13	Sequence 13, Appl
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36	224.4	26.3	1131	3	US-08-986-515-13	Sequence 13, Appl
37	224.4	26.3	1131	3	US-09-120-128-13	Sequence 13, Appl
38	224.4	26.3	1131	4	US-09-120-129-13	Sequence 13, Appl
39	224.4	26.3	1131	4	US-08-534-975-3	Sequence 3, Appl
40	208.6	24.5	540	1	US-08-954-470-3	Sequence 3, Appl
41	208.6	24.5	540	2	US-08-954-470-3	Sequence 3, Appl
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43	208.6	24.5	540	4	US-09-247-154-3	Sequence 3, Appl
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45	162.4	19.0	393	4	US-09-201-139-45	Sequence 45, Appl

ALIGNMENTS

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RESULT 1
US-08-306-511A-5
; Sequence 5, Application US/08306511A
; Patent No. 5962316
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannan, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/306,511A
; FILING DATE: 14-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: CSI-001CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 853 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 213..587
; US-08-306-511A-5

Query Match 100.0%; Score 853; DB 2; Length 853;
Best Local Similarity 100.0%; Pred. No. 3.2e-239; Indels 0; Gaps 0;
Matches 853; Conservative 0; Mismatches 0;
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    1 GGAATACAGCAGCGGAGCATGGGTCGACAGTTCTTGCTACGTAGAAGATTACGGCGC 60
QY 61 GGGCGCCCACTCCAGAGAGGGTTTCTTGTTGTTGAGTTGTCGGATCCCGGAGACCCAG 120
    61 GGGCGCCCACTCCAGAGAGGGTTTCTTGTTGTTGAGTTGTCGGATCCCGGAGACCCAG 120
Db 61 GGGCGCCCACTCCAGAGAGGGTTTCTTGTTGTTGAGTTGTCGGATCCCGGAGACCCAG 120
QY 121 GACAGCGAGCGGCTGCTGGCTTCTGGAACATGTTGTTAGGCTAGAGAGATCTTGAG 180
    121 GACAGCGAGCGGCTGCTGGCTTCTGGAACATGTTGTTAGGCTAGAGAGATCTTGAG 180
Db 121 GACAGCGAGCGGCTGCTGGCTTCTGGAACATGTTGTTAGGCTAGAGAGATCTTGAG 180
QY 181 AAGAGGCGCCGACCGGATCTGGACCAAGTGATGATGGGCAACGTTACAGTAGCAG 240
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Db 181 AAGAGGCGCCGACCGGATCTGGACCAAGTGATGATGGGCAACGTTACAGTAGCAG 240
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    241 CTCTTCTGCTACCTACGATGCTGATTCGAACTCGAGACCCCACTACTCTTCCCGCC 300
Db 241 CTCTTCTGCTACCTACGATGCTGATTCGAACTCGAGACCCCACTACTCTTCCCGCC 300
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    301 CGGTGACAGCAGCGGAGGAGGCTTCCGACAGCGTGGTGTCTGACAGCGGTGAG 360
Db 301 CGGTGACAGCAGCGGAGGAGGCTTCCGACAGCGTGGTGTCTGACAGCGGTGAG 360
QY 361 GGGCTCGGCTGATGTGCGCGATGCTGGGGTGCCTGCCGCTGACCTGGCCCAAGAGC 420
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Db 361 GGGCTCGGCTGATGTGCGCGATGCTGGGGTGCCTGCCGCTGACCTGGCCCAAGAGC 420
QY 421 GGGGACATCAAGACATCTGTGATTTGGCTTCCGCTGGGTGCTCTTTGTTGTTCCGCTG 480
    421 GGGGACATCAAGACATCTGTGATTTGGCTTCCGCTGGGTGCTCTTTGTTGTTCCGCTG 480
Db 421 GGGGACATCAAGACATCTGTGATTTGGCTTCCGCTGGGTGCTCTTTGTTGTTCCGCTG 480
QY 481 GGTGCTCTTTGTTGTTGCTGGAAAGCTGCCAGACGAGCGGATAGCTTACGCTCAA 540
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Db 481 GGTGCTCTTTGTTGTTGCTGGAAAGCTGCCAGACGAGCGGATAGCTTACGCTCAA 540
QY 541 GCAGCGCCAGGAGGCTGGAACCTGCGGCCAATCCCAAGACAGAGCTAAATCCGCTCA 600
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Db 541 GCAGCGCCAGGAGGCTGGAACCTGCGGCCAATCCCAAGACAGAGCTAAATCCGCTCA 600
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Db 601 GCGCCGCTTTTCTTCTTACGCTTCTGACGATGCTAGCGTGTAGATGGGCTT 660
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Db 661 TAAAAAATACATATATATGCTTTTTCATCACTGAGGAGGAGAGAGGAGGAGAGCAG 720
QY 721 AAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780
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Db 721 AAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780
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    781 GAAGCGCGCCGCGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 840
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    841 TTTAAATGTCAA 853
Db 841 TTTAAATGTCAA 853
    841 TTTAAATGTCAA 853
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RESULT 2

US-08-893-274-5
Sequence 5, Application us/08893274

Patent No. 5968821

GENERAL INFORMATION:

APPLICANT: Beach, David H.

APPLICANT: Demetrick, Douglas J.

APPLICANT: Serrano, Manuel

APPLICANT: Hannon, Gregory J.

TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,

TITLE OF INVENTION: and Uses Related Thereto

TITLE OF INVENTION: and Uses Related Thereto

```
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSER: FOLEY, HOAG & ELIOT LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/893,274
FILING DATE: 15-JULY-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEPTEMBER-1994
APPLICATION NUMBER: US 08/227,371
FILING DATE: 14-APRIL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/154,915
FILING DATE: 18-NOVEMBER-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DECEMBER-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/963,308
FILING DATE: 16-OCTOBER-1992
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-071.09
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1000
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 853 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 213..587
US-08-893-274-5
Query Match 100.0%; Score 853; DB 2; Length 853;
Best Local Similarity 100.0%; Pred No. 3,2e-239; Indels 0; Gaps 0;
Matches 853; Conservative 0; Mismatches 0;
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[illegible]

APPLICATION NUMBER: US 08/154,915
 FILING DATE: 18-NOV-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/991,997
 FILING DATE: 17-DEC-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 36,709
 REFERENCE/DOCKET NUMBER: MIV-071.04
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 832-1299
 TELEFAX: (617) 832-7000
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 853 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 213..587
 US-08-346-147B-5

Query Match	100.0%	Score 853:	DB 4:	Length 853:
Best Local Similarity	100.0%	Pred. No. 3.2e-239:		
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Qy 61	GGGCGCCCACTCCAAAGAGAGGGTTTCTTGGTGAAGTTCTGTCGATCCCGAGACCCAG	120		
Db 61	GGGCGCCCACTCCAAAGAGAGGGTTTCTTGGTGAAGTTCTGTCGATCCCGAGACCCAG	120		
Qy 121	GACAGGAGCTGGGCTGTGGCTTGTGTGAACATGTTGTTGAGGCTGAGAGATCTTTGAG	180		
Db 121	GACAGGAGCTGGGCTGTGGCTTGTGTGAACATGTTGTTGAGGCTGAGAGATCTTTGAG	180		
Qy 181	AAGAGGGCCGACACGGGAATCTTGACAGGTGATGATGATGGCAACGTTCACTAGACAG	240		
Db 181	AAGAGGGCCGACACGGGAATCTTGACAGGTGATGATGATGATGGCAACGTTCACTAGACAG	240		
Qy 241	CTCTTCTGCTCAACTACGGTGCAGATTGCAACTGAGAGAGACCCCACTACTCTCCGCG	300		
Db 241	CTCTTCTGCTCAACTACGGTGCAGATTGCAACTGAGAGAGACCCCACTACTCTCCGCG	300		
Qy 301	CGGTGCACGACGAGCGGGGAAAGGCTTCTTGACACGCTGTGTGCTGACAGGGTCA	360		
Db 301	CGGTGCACGACGAGCGGGGAAAGGCTTCTTGACACGCTGTGTGCTGACAGGGTCA	360		
Qy 361	GGGCTGGCTGGATGTGTCGGGATGCTCGGGGTGCGCTGCCTGCTGCACTTGGCCCAAGAC	420		
Db 361	GGGCTGGCTGGATGTGTCGGGATGCTCGGGGTGCGCTGCCTGCTGCACTTGGCCCAAGAC	420		
Qy 421	GGGACATCAAGCATGTCGATATTGGGTTCCGCTGGGTGCTCTTGTGTTCGCTG	480		
Db 421	GGGACATCAAGCATGTCGATATTGGGTTCCGCTGGGTGCTCTTGTGTTCGCTG	480		
Qy 481	GGTGTCTTTGTGTACCGCTGGGAGCGTGGCCAGACCGAGGGCATAGCTTAGCTCAA	540		
Db 481	GGTGTCTTTGTGTACCGCTGGGAGCGTGGCCAGACCGAGGGCATAGCTTAGCTCAA	540		
Qy 541	GCACGGCCAGGGGCGTGGAACTTGGGGGCAATCCCAAGAGCAGAGTAAATCCGCTCA	600		
Db 541	GCACGGCCAGGGGCGTGGAACTTGGGGGCAATCCCAAGAGCAGAGTAAATCCGCTCA	600		
Qy 601	GGCGGCTTTTCTTCTTACCTTCACTTCAAGCATGCTAGCGTGTCTACATGTGGCTT	660		
Db 601	GGCGGCTTTTCTTCTTACCTTCACTTCAAGCATGCTAGCGTGTCTACATGTGGCTT	660		

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Db	661	TAAAAATACTTAATAATAGCTTTTTTGTGCATCACGGGAGGAGCAGAGGAGGAGGAGCGACAG	720
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OY	841	TTTAAATATGTCAA	853
Db	841	TTTAAATATGTCAA	853

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RESULT 5
US-08-822-936-5
: Sequence 5, Application US/08822936
: Patent No. 6242575
: GENERAL INFORMATION:
: APPLICANT: Massague, Joan
: APPLICANT: Roberts, James M.
: APPLICANT: Koff, Andrew
: APPLICANT: Polyak, Kornelia
: TITLE OF INVENTION: Isolated p27 Protein, Nucleic Acid
: TITLE OF INVENTION: Molecules Encoding Same, Methods of Identifying Agents Acting
: TITLE OF INVENTION: and Uses of Said Agents
: NUMBER OF SEQUENCES: 10
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Foley, Hoag & Eliot, LLP
: STREET: One Post Office Square
: CITY: Boston
: STATE: MA
: COUNTRY: USA
: ZIP: 02109-2170
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/822,936
: FILING DATE: 21-FEBRUARY-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Vincent, Matthew P.
: REGISTRATION NUMBER: 36,709
: REFERENCE/DOCKET NUMBER: MIV-079.05
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 832-1000
: TELEFAX: (617) 832-7000
: INFORMATION FOR SEQ ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 853 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: both
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 213..587
: IS-08-822-936-5

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Query Match 100.0%; Score 85.3; DB 4; Length 853;
Best Local Similarity 100.0%; Pred No. 3.2e-239;
Matches 853; Conservative 0; Mismatches 0; Indels 0; Gaps 0.

QY 1 GGAGTACACGACGGGAGCATGGTCTGTCAGTCTGTAAGATTCAGCGCGC 60
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Db 1 GGAGTACACGACGGGAGCATGGTCTGTCAGTCTGTAAGATTCAGCGCGC 60

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QY	61	GGGCGGCCACATCCCAAGAGAGGGTTTCTTGTAAGTCTGCGGATCCGGAGACCCAG	120
Db	61	GGGGCGCCACATCCCAAGAGAGGGTTTCTTGTAAGTCTGCGGATCCGGAGACCCAG	120
QY	121	GACACGAGCTGCGCTCGGCTTCGTGATCATGTGTTGAGGCTAGAGAGATCTTGAG	180
Db	121	GACACGAGAGCTGCGCTCGGCTTCGTGATCATGTGTTGAGGCTAGAGAGATCTTGAG	180
QY	181	AAGAGGGCCGCAACCGGAATCTGGACACAGGTGATGATGATGGCAACGTTACGATAG	240
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QY	241	CTCTTCTGCTCAACTAGAGGTGACATTCGAACTCGGAGGAGGCCACATACCTTCCTCCGCC	300
Db	241	CTCTTCTGCTCAACTAGAGGTGACATTCGAACTCGGAGGAGGCCACATACCTTCCTCCGCC	300
QY	301	CGGTCCACAGACGACGCGGGGAGAGGCTTCGAGACAGCTGTGATGCTCAGCGGTCAG	360
Db	301	CGGTCCACAGACGACGCGGGGAGAGGCTTCGAGACAGCTGTGATGCTCAGCGGTCAG	360
QY	361	GGGCTCGGCTGGATGTGGCGCATGCTGAGGTGCGCTGCGGCTGACATTGGCCAAAGAC	420
Db	361	GGGCTCGGCTGGATGTGGCGCATGCTGAGGTGCGCTGCGGCTGACATTGGCCAAAGAC	420
QY	421	GGGGAATCAGAGACATGCTGGATATTGGCTTCGCTGGGTGCTCTTTGTTGTCGGTG	480
Db	421	GGGGAATCAGAGACATGCTGGATATTGGCTTCGCTGGGTGCTCTTTGTTGTCGGTG	480
QY	481	GCTGCTCTTTGTATCGCGTGGAGCGTGGCCGACGACGAGGGCATAGCTTCAGCTCAA	540
Db	481	GCTGCTCTTTGTATCGCGTGGAGCGTGGCCGACGACGAGGGCATAGCTTCAGCTCAA	540
QY	541	GCAGCCCCAGGGCCCTGGAACTTGCGCGGCAATGCCCAAGACAGAGTAAATCCGCTCA	600
Db	541	GCAGCCCCAGGGCCCTGGAACTTGCGCGGCAATGCCCAAGACAGAGTAAATCCGCTCA	600
QY	601	GCCCCGCTTTTCTTCTTAGCTTACCTTACGATGCTAGCGTGTAGCATGTGGCTT	660
Db	601	GCCCCGCTTTTCTTCTTAGCTTACCTTACGATGCTAGCGTGTAGCATGTGGCTT	660
QY	661	TAAAAAATACATAATATGCTTTTTCATCATCAGGGAGGAGACAGAGGGAGGACAG	720
Db	661	TAAAAAATACATAATATGCTTTTTCATCATCAGGGAGGAGACAGAGGGAGGAGACAG	720
QY	721	AAGGAGGAGGAGGAGGAGGAGGAGACCTGGACAGAGAAAGAAATGGCATGGAACATGAC	780
Db	721	AAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	780
QY	781	GAAAGCGGCGCGAGAGGGAATTAATGCTGATTTGTTAAAAAATAAATAAAGATACTT	840
Db	781	GAAAGCGGCGCGAGAGGGAATTAATGCTGATTTGTTAAAAAATAAATAAAGATACTT	840
QY	841	TTTAAATGTCAA 853	
Db	841	TTTAAATGTCAA 853	

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1  RESULT      6
2  PCT-US95-04636-5
3  : Sequence 5, Application PC/TUS9504636
4  :
5  : GENERAL INFORMATION:
6  :
7  : APPLICANT:
8  :
9  : TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
10 :
11 : TITLE OF INVENTION: Related Therefo
12 :
13 : NUMBER OF SEQUENCES: 10
14 :
15 : COMPUTER READABLE FORM:
16 :
17 : MEDIUM TYPE: Floppy disk
18 :
19 : COMPUTER: IBM PC compatible
20 :
21 : OPERATING SYSTEM: PC-DOS/MS-DOS
22 :
23 : SOFTWARE: Ascii(text)
24 :
25 : CURRENT APPLICATION DATA:
26 :
27 : APPLICATION NUMBR: PCT/US95/04636
28 :
29 : FILING DATE:
30 :

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DB 24 GGAGTACAGCAGCGGAGACATGAGTCCAGGTTCTTGATCTGTGAGATTCAGCGCCG 83
OY 61 GGGGCGCCCATCCCAAGAGAGGTTTTTTCTTGATCTGTGAGATTCAGCGCCG 120
DB 84 GGGCGCCCATCCCAAGAGAGGTTTTTTCTTGATCTGTGAGATTCAGCGCCG 143
OY 121 GACAGCGAGTGGCGCTCTGCTTTCTGTGAACATGTTGTAGAGGATGATCTTGA 180
DB 144 GACAGCGAGTGGCGCTCTGCTTTCTGTGAACATGTTGTAGAGGATGATCTTGA 203
OY 181 AAGAGGCGGACCGGATCTCTGACCAAGATGATGAGGATGATGAGGATGATGAG 240
DB 204 AAGAGGCGGACCGGATCTCTGACCAAGATGATGAGGATGATGAGGATGATGAG 263
OY 241 CTCTTCTGCTCACTACGAGTCCAGATTCGAACTCCGAGAGCCCACTACCTTCCGCG 300
DB 264 CTCTTCTGCTCACTACGAGTCCAGATTCGAACTCCGAGAGCCCACTACCTTCCGCG 323
OY 301 CGGTGACAGAGCAGCGCGGAGAGGTTCTTGACACAGCTGTGTGCTGACAGGCTCAG 360
DB 324 CGGTGACAGAGCAGCGCGGAGAGGTTCTTGACACAGCTGTGTGCTGACAGGCTCAG 383
OY 361 GGGCTGCGGTGATGCGCGATGCGGATGCGGCTGCGCTGCGCTGAGTTCGAGGAGAGC 420
DB 384 GGGCTGCGGTGATGCGCGATGCGGATGCGGCTGCGCTGCGCTGAGTTCGAGGAGAGC 443
OY 421 GGGGACATCAAGACATGCTGCGATATTTGCTTCCGCTGCTTTGTGCTGCTG 480
DB 444 GGGGACATCAAGACATGCTGCGATATTTGCTTCCGCTGCTTTGTGCTGCTG 503
OY 481 GGTGCTTTTGTGATCCCTGGGAGAGTCCGACAGCGAGCGGATGATGAGTTCAGTCA 540
DB 504 GGTGCTTTTGTGATCCCTGGGAGAGTCCGACAGCGGATGATGAGTTCAGTCA 563
OY 541 GCAGCGCCAGGCGCTGGAACCTGCGGCAATCCCAAGAGAGCTTAATCC-GCCTC 599
DB 564 GCAGCGCCAGGCGCTGGAACCTGCGGCAATCCCAAGAGAGCTTAATCC-GCCTC 623
OY 600 ACCCGCGCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 659
DB 624 ACCCGCGCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 683
OY 660 TTAATAATACATAATATGCTTTT 687
DB 684 TTAATAATACATAATATGCTTTT 711

RESULT 8
US-08-954-470-1
Sequence 1, Application US/08954470
Patent No. 5876965
GENERAL INFORMATION:
APPLICANT: Sherr, Charles, J.
APPLICANT: Quelle, Dawn, E.
TITLE OF INVENTION: ARF p19, A No. 5876965el Regulator of the
TITLE OF INVENTION: Mammalian Cell Cycle
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/954,470
FILING DATE:
APPLICATION NUMBER: US/08/954,470
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/534,975
FILING DATE: 28-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fox, Samuel, L. 30,353
REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 0656.0590000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 43..548
FEATURE:
NAME/KEY: CDS
LOCATION: 43..551
US-08-954-470-1

Query Match 78.9%; Score 672.8; DB 2; Length 713;
Best Local Similarity 99.6%; Pred. No. 9,4e-187;
Matches 685; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

OY 1 GGAGTACAGCAGCGGAGACATGAGTCCAGGTTCTTGATCTGTGAGATTCAGCGCCG 60
DB 24 GGAGTACAGCAGCGGAGACATGAGTCCAGGTTCTTGATCTGTGAGATTCAGCGCCG 83
OY 61 GGGCGCCCATCCCAAGAGAGGTTTTTTCTTGATCTGTGAGATTCAGCGCCG 120
DB 84 GGGCGCCCATCCCAAGAGAGGTTTTTTCTTGATCTGTGAGATTCAGCGCCG 143
OY 121 GACAGCGAGTGGCGCTCTGCTTTCTGTGAACATGTTGTAGAGGATGATCTTGA 180
DB 144 GACAGCGAGTGGCGCTCTGCTTTCTGTGAACATGTTGTAGAGGATGATCTTGA 203
OY 181 AAGAGGCGGACCGGATCTCTGACCAAGATGATGAGGATGATGAGGATGATGAG 240
DB 204 AAGAGGCGGACCGGATCTCTGACCAAGATGATGAGGATGATGAGGATGATGAG 263
OY 241 CTCTTCTGCTCACTACGAGTCCAGATTCGAACTCCGAGAGCCCACTACCTTCCGCG 300
DB 264 CTCTTCTGCTCACTACGAGTCCAGATTCGAACTCCGAGAGCCCACTACCTTCCGCG 323
OY 301 CGGTGACAGAGCAGCGCGGAGAGGTTCTTGACACAGCTGTGTGCTGACAGGCTCAG 360
DB 324 CGGTGACAGAGCAGCGCGGAGAGGTTCTTGACACAGCTGTGTGCTGACAGGCTCAG 383
OY 361 GGGCTGCGGTGATGCGCGATGCGGATGCGGCTGCGCTGCGCTGAGTTCGAGGAGAGC 420
DB 384 GGGCTGCGGTGATGCGCGATGCGGATGCGGCTGCGCTGCGCTGAGTTCGAGGAGAGC 443
OY 421 GGGGACATCAAGACATGCTGCGATATTTGCTTCCGCTGCTTTGTGCTGCTG 480
DB 444 GGGGACATCAAGACATGCTGCGATATTTGCTTCCGCTGCTTTGTGCTGCTG 503
OY 481 GGTGCTTTTGTGATCCCTGGGAGAGTCCGACAGCGGATGATGAGTTCAGTCA 540
DB 504 GGTGCTTTTGTGATCCCTGGGAGAGTCCGACAGCGGATGATGAGTTCAGTCA 563
OY 541 GCAGCGCCAGGCGCTGGAACCTGCGGCAATCCCAAGAGAGCTTAATCC-GCCTC 599
DB 564 GCAGCGCCAGGCGCTGGAACCTGCGGCAATCCCAAGAGAGCTTAATCC-GCCTC 623
OY 600 ACCCGCGCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 659
DB 624 ACCCGCGCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 683

QY 660 TTAATAATACATATAATGCTTTT 687
Db 684 TTAATAATACATATAATGCTTTT 711

RESULT 9

US-09-129-855A-1
Sequence 1, Application US/09129855A
Patent No. 6046032
GENERAL INFORMATION:
APPLICANT: Sherr, Charles, J.
APPLICANT: Quelle, Dawn, E.
TITLE OF INVENTION: ARF-p19, A No. 6046032el Regulator of the Mammalian
TITLE OF INVENTION: Cell Cycle
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox
STREET: 1100 New York Avenue Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/129,855A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/954,470
FILING DATE: 20-OCT-1997
APPLICATION NUMBER: 08/534,975
FILING DATE: 27-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1340-1-023 CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 43..548
FEATURE:
NAME/KEY: CDS
LOCATION: 43..551
US-09-129-855A-1

Query Match 78.9%; Score 672.8; DB 3; Length 713;
Best Local Similarity 99.6%; Pred. No. 9,4e-187;
Matches 685; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 GGAGTACAGCAGCGGAGCATGCGTTCGTCACCTGTAGGATTCAGCGCGC 60
Db 24 GGAGTACAGCAGCGGAGCATGCGTTCGTCACCTGTAGGATTCAGCGCGC 83
QY 61 GGGCGCGCCCTCCAGAGAGAGGTTTCTGTGAGTTCTGTGAGATCCCGAGACCCAG 120
Db 84 GGGCGCGCCCTCCAGAGAGAGGTTTCTGTGAGTTCTGTGAGATCCCGAGACCCAG 143

QY 121 GACAGCAGCTGGCGCTCTGCTTTCGTAACATGTTGTGAGCTAGAGAGATCTGAG 180
Db 144 GACAGCAGCTGGCGCTCTGCTTTCGTAACATGTTGTGAGCTAGAGAGATCTGAG 203
QY 181 AAGAGGCGCCGACCGGAAATCTGAGACAGGTATGATGATGGGCAACGTTCACTAGACAG 240
Db 204 AAGAGGCGCCGACCGGAAATCTGAGACAGGTATGATGATGGGCAACGTTCACTAGACAG 263
QY 241 CTTTCTGCTCAACTACGGGTCAGATTTCGACATCGAGAGACCCACTACTCTCCCGCC 300
Db 264 CTTTCTGCTCAACTACGGGTCAGATTTCGACATCGAGAGACCCACTACTCTCCCGCC 323
QY 301 CGGTGACAGCAGCAGCGCGGAGAGGCTTCGTGACACGCTGTGTGCTGACAGGCTCAG 360
Db 324 CGGTGACAGCAGCAGCGCGGAGAGGCTTCGTGACACGCTGTGTGCTGACAGGCTCAG 383
QY 361 GGGCTGGCTGATGTGCGGATGCTTGGGGTTCGCTGGCGCTGACCTGGCCCAAGAC 420
Db 384 GGGCTGGCTGATGTGCGGATGCTTGGGGTTCGCTGGCGCTGACCTGGCCCAAGAC 443
QY 421 GGGGACATCAAGACATCGTGCATATTGGCTTCGCTGGGTGCTTGTGTCCGCTG 480
Db 444 GGGGACATCAAGACATCGTGCATATTGGCTTCGCTGGGTGCTTGTGTCCGCTG 503
QY 481 GGTGCTTGTGTACCGCTGGAGACGTGCCAGACCGAGCGCATACCTGACTCAA 540
Db 504 GGTGCTTGTGTACCGCTGGAGACGTGCCAGACCGAGCGCATACCTGACTCAA 563
QY 541 GCACGCCAGCGCCCTGGAATCTGGCGCCCAATCCCAAGCGAGACTTAATCC-6CCTC 599
Db 564 GCACGCCAGCGCCCTGGAATCTGGCGCCCAATCCCAAGCGAGACTTAATCC6CCTC 623
QY 600 AGCCGCTTTTCTTCTGATCTTCACTTACCTGATGATGCTGATGCTGATGCTG 659
Db 624 AGCCGCTTTTCTTCTGATCTTCACTTACCTGATGATGCTGATGCTGATGCTG 683
QY 660 TTAATAATACATATAATGCTTTT 687
Db 684 TTAATAATACATATAATGCTTTT 711

RESULT 10

US-09-247-154-1
Sequence 1, Application US/09247154
Patent No. 6172194
GENERAL INFORMATION:
APPLICANT: Sherr, Charles, J.
APPLICANT: Quelle, Dawn, E.
TITLE OF INVENTION: ARF-p19, A No. 6172194el Regulator of the
TITLE OF INVENTION: Mammalian Cell Cycle
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/247,154
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/954,470
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Fox, Samuel, L.
REGISTRATION NUMBER: 30,353

Db	491	CCGCTGGGAACGTGTGCCCAACGACGAGGATATGCTTCACTCAAGACGCCACGAGGCC	550
QY	556	TGGAACCTTCGCGGCCAATCCCAAGACAGAGCTAAATCCGCTCAGCGCCCTTTTCTT	615
Db	551	TGGAACTTCGGGGCCAATCCCAAGACAGAGCTAAATCCGCTCAGCGCCCTTTTCTT	610
QY	616	CTTAGCTTCACTTCTAGAGATGCTAGCGTGCTGTAGCATGTGGCTTTAAAAATACATAAT	675
Db	611	CTTAGCTTCACTTCTAGAGATGCTAGCGTGCTGTAGCATGTGGCTTTAAAAATACATAAT	670
QY	676	AATGCTTTTTTTCGAATCAGCGGAGGAGCGACGAGGAGGAGCGAAGAGGAGGGAGG	735
Db	671	AATGCTTTTTTTCGAATCAGCGGAGGAGCGAGGAGGAGGAGCGAAGAGGAGGGAGG	730
QY	736	GAGGAGGAGACTGTGACAGGAAGAAATGCGATAGAGAACTGAGCGGAAGCGCGCGGAA	795
Db	731	GAGGAGGAGACTGTGACAGGAAGAAATTCATAGAGAACTGAGCGGAAGCGCGCGGAA	790
QY	796	GGGAATTAATGCGTGGATTGTTTAAAAAAATTAATAATTAAGACTTTTAAAAATGTCAA	853
Db	791	GGGAATTAATGCGTGGATTGTTTAAAAAAATTAATAATTAAGACTTTTAAAAATGTCAA	848

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1      RESULT 12
2      US-08-508-735-44
3      ; Sequence 44, Application US/08508735
4      ; Patent No. 5843756
5      ; GENERAL INFORMATION:
6      ; APPLICANT: Stone, Steven
7      ; APPLICANT: Jiang, Ping
8      ; APPLICANT: Kamb, Alexander
9      ; TITLE OF INVENTION: MMS GENE AND THERAPEUTIC USE THEREOF
10     ; NUMBER OF SEQUENCES: 47
11     ; CORRESPONDENCE ADDRESS:
12     ; ADDRESSEE: Verable, Baetjer, Howard & Civiletti, LLP
13     ; STREET: 1201 New York Avenue, Suite 1000
14     ; CITY: Washington
15     ; STATE: DC
16     ; COUNTRY: USA
17     ; ZIP: 20005
18     ; COMPUTER READABLE FORM:
19     ; MEDIUM TYPE: Floppy disk
20     ; COMPUTER: IBM PC compatible
21     ; OPERATING SYSTEM: PC-DOS/MS-DOS
22     ; SOFTWARE: Patentin Release #1.0, Version #1.30
23     ; CURRENT APPLICATION DATA:
24     ; APPLICATION NUMBER: US/08/508,735
25     ; FILING DATE:
26     ; CLASSIFICATION: 435
27     ; PRIOR APPLICATION DATA:
28     ; APPLICATION NUMBER: US to be assigned
29     ; FILING DATE: 07-JUN-1995
30     ; PRIOR APPLICATION DATA:
31     ; APPLICATION NUMBER: PCT/US95/03316
32     ; FILING DATE: 17-MAR-1995
33     ; ATTORNEY/AGENT INFORMATION:
34     ; NAME: Ihnen, Jeffrey L.
35     ; REGISTRATION NUMBER: 28,957
36     ; REFERENCE/DOCKET NUMBER: 24884-109348
37     ; TELECOMMUNICATION INFORMATION:
38     ; TELEPHONE: 202-962-4848
39     ; TELEFAX: 202-962-8300
40     ; INFORMATION FOR SEQ ID NO: 44:
41     ; SEQUENCE CHARACTERISTICS:
42     ; LENGTH: 507 base pairs
43     ; TYPE: nucleic acid
44     ; STRANDEDNESS: double
45     ; TOPOLOGY: linear
46     ; MOLECULE TYPE: cDNA
47     ; HYPOTHEICAL: NO
48     ; ANTI-SENSE: NO
49     ; ORIGINAL SOURCE:
50     ; ORGANISM: Mus musculus
51     ;
52     ;

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? NAME/KEY misc.feature  
? LOCATION 126..127  
? OTHER INFORMATION /note="splice site"  
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? FEATURE:  
? NAME/KEY misc.feature  
? LOCATION 467..468  
? OTHER INFORMATION /note="splice site"  
?  
US-08-508-735-44
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Query Match	44.8%	Score 382.2;	DB 2;	Length 507;
Best Local Similarity	98.0%;	Pred. No. 3.8e-102;		
Matches 387;	Conservative	0;	Mismatches 8;	Indels 0;
				Gaps 0;

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Db	113	GTACCCCGATTCCAGTGTATGATGATGGGCAACGTTCACTGACGACGCTCTTGTCTCAACT	172
QY	256	ACGGTCGAGATTTCGAACATGCGAGGAGCCCACTACCTCTTCCCGCCGGTGCACGACGCA	315
Db	173	ACGGTGCAGATTTCGAACATGCGAGGAGCCCACTACCTCTTCCCGCCGGTGCACGACGCA	232
QY	316	CGCGGGAGAGCCTTCTCTGACACGCTGCTGTGCTGTCACAGGGGTACAGGGGCTCGGGCTGGATG	375
Db	233	CGCGGAGAGCCTTCTCTGACACGCTGCTGTGCTGTCACAGGGGTACAGGGGCTCGGGCTGGATG	292
QY	376	TGCGGAGATGCTGGGGTCGCCCTGGCCGTCGACTTGGCCCAAGAGCCGGGACATCAAGACA	435
Db	293	TGCGGAGATGCTGGGGTCGCCCTGGCCGTCGACTTGGCCCAAGAGCCGGGACATCAAGACA	352
QY	436	TCGTCGATATTTCGGGTCCTCCGCTGGGTCCTTGTGTCTTCGCTGGGTGGTCTTGTGTGA	495
Db	353	TGTCGCGATATTTCGGGTCCTCCGCTGGGTGCTTGTGTGTCTTCGCTGGGTGGTCTTGTGTGA	412
QY	496	CCGCTTGGGAAGCTGCGCCAGACCGACGGGCATAGCTTACGTCACAGCAAGCCCAAGGGCCC	555
Db	413	CCGCTTGGGAAGCTGCGCCAGACCGACGGGCATAGCTTACGTCACAGCAAGCCCAAGGGCCC	472
QY	556	TGGAACTTCGGGGCCAAATCCCAAGGACGAGACTTAA	590
Db	473	TGGAACTTCGGGGCCAAATCCCAAGGACGAGACTTAA	507

RESULT 13
US-09-201-139-44
Sequence 44, Application US/09201139
Patent No. 6210949
GENERAL INFORMATION:
APPLICANT: Stone, Steven
APPLICANT: Jiang, Ping
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0., Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/201,139
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/508,735
FILING DATE:

Mon Aug 27 09:42:43 2001

us-09-016-869a-5.rn1

Page 13

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: August 24, 2001, 17:48:13 ; Search time 25.02 seconds

* (without alignments)
102.869 Million cell updates/sec

Title: US-09-016-869A-6
Perfect score: 658
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Scoring table: BIOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

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3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	658	100.0	125	1 US-08-534-975-5	Sequence 5, Appli
2	658	100.0	125	2 US-08-954-470-5	Sequence 5, Appli
3	658	100.0	125	2 US-08-306-511A-6	Sequence 6, Appli
4	658	100.0	125	3 US-08-893-274-6	Sequence 6, Appli
5	658	100.0	125	3 US-08-581-918A-6	Sequence 6, Appli
6	658	100.0	125	3 US-09-129-855A-5	Sequence 5, Appli
7	658	100.0	125	4 US-09-247-154-5	Sequence 5, Appli
8	658	100.0	125	4 US-08-346-147B-6	Sequence 6, Appli
9	658	100.0	125	4 US-08-822-936-6	Sequence 6, Appli
10	658	100.0	125	5 PCT-US95-04636-6	Sequence 6, Appli
11	658	100.0	167	2 US-08-627-610-6	Sequence 6, Appli
12	658	100.0	168	2 US-08-508-735-46	Sequence 46, Appli
13	658	100.0	168	4 US-09-201-139-46	Sequence 46, Appli
14	510	77.5	127	3 US-08-581-918A-14	Sequence 14, Appli
15	510	77.5	127	4 US-08-346-147B-14	Sequence 14, Appli
16	449	68.2	85	3 US-08-581-918A-39	Sequence 39, Appli
17	449	68.2	85	4 US-08-346-147B-39	Sequence 39, Appli
18	330	50.2	105	1 US-08-474-177-14	Sequence 14, Appli
19	330	50.2	105	1 US-08-487-033-14	Sequence 14, Appli
20	330	50.2	105	1 US-08-480-810-14	Sequence 14, Appli
21	330	50.2	105	2 US-08-508-725-14	Sequence 14, Appli
22	330	50.2	105	2 US-08-848-251-14	Sequence 14, Appli
23	330	50.2	105	2 US-08-486-047-14	Sequence 14, Appli
24	330	50.2	105	3 US-09-120-130-14	Sequence 14, Appli
25	330	50.2	105	3 US-09-115-252-14	Sequence 14, Appli
26	330	50.2	105	3 US-08-986-515-14	Sequence 14, Appli
27	330	50.2	105	4 US-09-120-128-14	Sequence 14, Appli

28	330	50.2	105	4 US-09-120-129-14	Sequence 14, Appli
29	330	50.2	105	4 US-09-201-139-14	Sequence 14, Appli
30	330	50.2	105	4 US-09-120-131-14	Sequence 14, Appli
31	330	50.2	148	1 US-08-154-915-4	Sequence 4, Appli
32	330	50.2	148	3 US-08-384-106A-16	Sequence 16, Appli
33	330	50.2	148	3 US-08-384-106A-24	Sequence 24, Appli
34	330	50.2	148	5 PCT-US93-09945-4	Sequence 4, Appli
35	330	50.2	156	1 US-08-474-177-2	Sequence 2, Appli
36	330	50.2	156	1 US-08-487-033-2	Sequence 2, Appli
37	330	50.2	156	1 US-08-480-810-2	Sequence 2, Appli
38	330	50.2	156	1 US-08-508-735-2	Sequence 2, Appli
39	330	50.2	156	2 US-08-627-610-2	Sequence 2, Appli
40	330	50.2	156	2 US-08-306-511A-2	Sequence 2, Appli
41	330	50.2	156	2 US-08-893-274-2	Sequence 2, Appli
42	330	50.2	156	2 US-08-848-251-2	Sequence 2, Appli
43	330	50.2	156	2 US-08-486-047-2	Sequence 2, Appli
44	330	50.2	156	3 US-09-120-130-2	Sequence 2, Appli
45	330	50.2	156	3 US-08-581-918A-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-08-534-975-5
; Sequence 5, Application US/08534975
; Patent No. 572313
; GENERAL INFORMATION:
; APPLICANT: Sherie, Charles, J.
; ATTORNEY: Queller, Dawn, E.
; TITLE OF INVENTION: ARE-119, A No. 57231313el Regulator of the Mammalian Cell
; TITLE OF INVENTION: Cycle
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/534,975
; FILING DATE: 28-SEP-1995
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Fox, Samuel, L.
; REGISTRATION NUMBER: 30,353
; REFERENCE/DOCKET NUMBER: 0656.0590000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SPO ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-534-975-5

Query Match: 100.0%; Score 658; DB 1; Length 125;

Best Local Similarity: 100.0%; Pred. No. 1.1e-72;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMGNVHVAALLNYGADSNCEPTTFSRPVHAARGFLDTLVVJLHGSARLDVDAWG 60
DB 1 MMGNVHVAALLNYGADSNCEPTTFSRPVHAARGFLDTLVVJLHGSARLDVDAWG 60

QY 61 RPLDLAQRGHODIVRYLRSGCSLCSAGWSLCTAGNVAOTDGHSSSTPRALRLRGQ 120
DB 61 RPLDLAQRGHODIVRYLRSGCSLCSAGWSLCTAGNVAOTDGHSSSTPRALRLRGQ 120
QY 121 SEQES 125
DB 121 SEQES 125

RESULT 2

US-08-954-470-5
Sequence 5, Application US/08954470
Patent No. 5876965

GENERAL INFORMATION:
APPLICANT: Sherr, Charles, J.
APPLICANT: Queller, Dawn, E.
TITLE OF INVENTION: ARF-p19, A No. 5876965el Regulator of the
TITLE OF INVENTION: Mammalian Cell Cycle
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/954,470
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/534,975
FILING DATE: 28-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fox, Samuel, L.
REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 0656.0590000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-954-470-5

Query Match 100.0%; Score 658; DB 2; Length 125;
Best Local Similarity 100.0%; Pred. No. 1.1e-72;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMGNVHAALLNLYGADSNCEPTTFSPVHDAREGFLDTLVYHSGARLDVWDAMG 60
DB 1 MMGNVHAALLNLYGADSNCEPTTFSPVHDAREGFLDTLVYHSGARLDVWDAMG 60
QY 61 RPLDLAQRGHODIVRYLRSGCSLCSAGWSLCTAGNVAOTDGHSSSTPRALRLRGQ 120
DB 61 RPLDLAQRGHODIVRYLRSGCSLCSAGWSLCTAGNVAOTDGHSSSTPRALRLRGQ 120
QY 121 SEQES 125
DB 121 SEQES 125

RESULT 3
US-08-306-511A-6

Sequence 6, Application US/08306511A
Patent No. 5962316
GENERAL INFORMATION:
APPLICANT: Beach, David H.
APPLICANT: Demetrick, Douglas J.
APPLICANT: Serrano, Manuel
TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
TITLE OF INVENTION: Related Thereto
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/306,511A
FILING DATE: 14-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: CST-001CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-306-511A-6

Query Match 100.0%; Score 658; DB 2; Length 125;
Best Local Similarity 100.0%; Pred. No. 1.1e-72;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMGNVHAALLNLYGADSNCEPTTFSPVHDAREGFLDTLVYHSGARLDVWDAMG 60
DB 1 MMGNVHAALLNLYGADSNCEPTTFSPVHDAREGFLDTLVYHSGARLDVWDAMG 60
QY 61 RPLDLAQRGHODIVRYLRSGCSLCSAGWSLCTAGNVAOTDGHSSSTPRALRLRGQ 120
DB 61 RPLDLAQRGHODIVRYLRSGCSLCSAGWSLCTAGNVAOTDGHSSSTPRALRLRGQ 120
QY 121 SEQES 125
DB 121 SEQES 125

RESULT 4
US-08-893-274-6
Sequence 6, Application US/08893274
Patent No. 5968821
GENERAL INFORMATION:
APPLICANT: Beach, David H.
APPLICANT: Demetrick, Douglas J.
APPLICANT: Serrano, Manuel
TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,
TITLE OF INVENTION: and Uses Related Thereto
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY, HOAG & ELIOT LLP
STREET: One Post Office Square

CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/893,274
FILING DATE: 15-JULY-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEPTEMBER-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,371
FILING DATE: 14-APRIL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/154,915
FILING DATE: 18-NOVEMBER-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DECEMBER-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/963,308
FILING DATE: 16-OCTOBER-1992
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MTV-071.09
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1000
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-893-274-6

Query Match 100.0%; Score 658; DB 2; Length 125;
Best Local Similarity 100.0%; Pred. No. 1.1e-72;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMGNVHVAALLNNGADSNCEPTTFESRPVHDAAREGFLDTLVVYHSGARLDVARDWG 60
DB 1 MMGNVHVAALLNNGADSNCEPTTFESRPVHDAAREGFLDTLVVYHSGARLDVARDWG 60
QY 61 RLPLDLAQRGHODIVRYLRSAGCSLCSAGWSLCTAGNVAQTDGHSFSSSTPRALELRQ 120
DB 61 RLPLDLAQRGHODIVRYLRSAGCSLCSAGWSLCTAGNVAQTDGHSFSSSTPRALELRQ 120
QY 121 SOBOS 125
DB 121 SOBOS 125

RESULT 5

US-08-581-918a-6
Sequence 6, Application US/08581918a
Patent No. 6043030
GENERAL INFORMATION:
APPLICANT: Beach, David H.
APPLICANT: Demetrick, Douglas J.
APPLICANT: Serrano, Manuel
APPLICANT: Hannon, Gregory J.

TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
TITLE OF INVENTION: Related Thereto
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Foley, Hoag & Eliot
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPad
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/581,918A
FILING DATE: 02-JAN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/497,214
FILING DATE: 30-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/346,147
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,371
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/154,915
FILING DATE: 18-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MTV-071.06
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1299
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-581-918a-6

Query Match 100.0%; Score 658; DB 3; Length 125;
Best Local Similarity 100.0%; Pred. No. 1.1e-72;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMGNVHVAALLNNGADSNCEPTTFESRPVHDAAREGFLDTLVVYHSGARLDVARDWG 60
DB 1 MMGNVHVAALLNNGADSNCEPTTFESRPVHDAAREGFLDTLVVYHSGARLDVARDWG 60
QY 61 RLPLDLAQRGHODIVRYLRSAGCSLCSAGWSLCTAGNVAQTDGHSFSSSTPRALELRQ 120
DB 61 RLPLDLAQRGHODIVRYLRSAGCSLCSAGWSLCTAGNVAQTDGHSFSSSTPRALELRQ 120
QY 121 SOBOS 125
DB 121 SOBOS 125


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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordpad
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/346,147B
FILING DATE: 29-NOV-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,371
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/154,915
FILING DATE: 18-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-071.04
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1299
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-346-147B-6

Query Match      100.0%; Score 658; DB 4; Length 125;
Best Local Similarity 100.0%; Pred. No. 1,1e-72;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMGNVHVAALLNLYGADSNCEDEPTTFSRPVHDAAREGFLDTLVYLHSGARLDVDRAMG 60
   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
DB 1 MMGNVHVAALLNLYGADSNCEDEPTTFSRPVHDAAREGFLDTLVYLHSGARLDVDRAMG 60
QY 61 RLPLDLAQRGHODIVYRLRSAGCSLCSAGWSLCTAGNVAQTDGHSFSSSTPRALRLRGQ 120
   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
DB 61 RLPLDLAQRGHODIVYRLRSAGCSLCSAGWSLCTAGNVAQTDGHSFSSSTPRALRLRGQ 120
QY 121 SOEQS 125
   |||||
DB 121 SOEQS 125

RESULT 9
US-08-822-936-6
Sequence 6, Application US/08822936
GENERAL INFORMATION:
APPLICANT: Massague, Joan
APPLICANT: Roberts, James M.
APPLICANT: Koff, Andrew
APPLICANT: Polyak, Kornelia
TITLE OF INVENTION: Isolated P27 Protein, Nucleic Acid
TITLE OF INVENTION: Molecules Encoding Same, Methods of Identifying Agents Acting
NUMBER OF INVENTIONS: and Uses of Said Agents
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley, Hoag & Eliot, LLP
STREET: One Post Office Square
```

```
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/822,936
FILING DATE: 21-FEBRUARY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-079.05
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1000
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-822-936-6

Query Match      100.0%; Score 658; DB 4; Length 125;
Best Local Similarity 100.0%; Pred. No. 1,1e-72;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMGNVHVAALLNLYGADSNCEDEPTTFSRPVHDAAREGFLDTLVYLHSGARLDVDRAMG 60
   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
DB 1 MMGNVHVAALLNLYGADSNCEDEPTTFSRPVHDAAREGFLDTLVYLHSGARLDVDRAMG 60
QY 61 RLPLDLAQRGHODIVYRLRSAGCSLCSAGWSLCTAGNVAQTDGHSFSSSTPRALRLRGQ 120
   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
DB 61 RLPLDLAQRGHODIVYRLRSAGCSLCSAGWSLCTAGNVAQTDGHSFSSSTPRALRLRGQ 120
QY 121 SOEQS 125
   |||||
DB 121 SOEQS 125

RESULT 10
PCT-US95-04636-6
Sequence 6, Application PC/TUS9504636
GENERAL INFORMATION:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
TITLE OF INVENTION: Related Thereto
NUMBER OF SEQUENCES: 10
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Ascii(text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04636
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/346,147
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,371
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Query Match	100.0%;	Score 658;	DB 2;	length 167;
Best Local Similarity	100.0%;	Pred. No. 1.7e-72;		
Matches 125;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy 1 MMGMVHVAAALLNYGADSNCEDPPTTSRPHVDAREGEFDTLVVHLHSGSARLDVRDAMG 60
|||||
44 MMGMVHVAAALLNYGADSNCEDPPTTSRPHVDAREGEFDTLVVHLHSGSARLDVRDAMG 103

QY 61 RLPLDLAQRGHODIVRLRSAGCSLCTAGNVAOTDGHSSSTPRALRLRQ 120
|||||
Db 104 RLPLDLAQRGHODIVRLRSAGCSLCTAGNVAOTDGHSSSTPRALRLRQ 163
QY 121 SOEOS 125
|||||
Db 164 SOEOS 168

RESULT 13

US-09-201-139-46
; Sequence 46, Application US/09201139
; Patent No. 6210949
; GENERAL INFORMATION:
; APPLICANT: Stone, Steven
; APPLICANT: Jiang, Ping
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/201,139
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/508,735
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03316
; FILING DATE: 17-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-109348
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4848
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 168 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
; US-09-201-139-46

Query Match 100.0%; Score 658; DB 4; Length 168;
Best Local Similarity 100.0%; Pred. No. 1,7e-72;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMGNVHVAALLLNYGDSNCEDPPTFFSPVHDAAREGFLDTLVYHSGGARLDVYRDAMG 60
|||||
Db 44 MMGNVHVAALLLNYGDSNCEDPPTFFSPVHDAAREGFLDTLVYHSGGARLDVYRDAMG 103
QY 61 RLPLDLAQRGHODIVRLRSAGCSLCTAGNVAOTDGHSSSTPRALRLRQ 120
|||||
Db 104 RLPLDLAQRGHODIVRLRSAGCSLCTAGNVAOTDGHSSSTPRALRLRQ 163

QY 121 SOEOS 125
|||||
Db 164 SOEOS 168

RESULT 14

US-08-581-918A-14
; Sequence 14, Application US/08581918A
; Patent No. 6043030
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley, Hoag & Eliot
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordpad
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/581,918A
; FILING DATE: 02-JAN-1996
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/497,214
; FILING DATE: 30-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/346,147
; FILING DATE: 29-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/306,511
; FILING DATE: 14-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/248,812
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,371
; FILING DATE: 14-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/154,915
; FILING DATE: 18-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,997
; FILING DATE: 17-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MIV-071.06
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 832-1299
; TELEFAX: (617) 832-7000
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 127 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: Internal
; US-08-581-918A-14

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Query Match Similarity 77.5%: Score 510; DB 3; Length 127;
Best Local Similarity 81.1%: Pred.No.1,2e-54;
Matches 103; Conservative 0; Mismatches 22; Indels 2; Gaps 2.

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Db 1 MMGNXXVAXLLXGXGAXNCXDPTXXRYPHDAREGFLDTLVVHXXGARLDVROW 60
OY 60 GRLPDLIAOERGHODIVRLBSA-GCSLCSAGWSLCTAGNVAQTGCHSFSSSTPALREL 118
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Db 61 GRLPDLIAEXKHDXKXXYLIRXAKGCSLCSAGWSLCTAGNVAQTGHSFSSSTPALREL 120
OY 119 GQSQEQS 125
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Db 121 GQSQEQS 127

RESULT 15
US-08-346-147B-14
; Sequence 14, Application US/08346147B
; Patent No. 6211334
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Foley, Hoag & Eliot
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordpad
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/346,147B
; FILING DATE: 29-NOV-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/306,511
; FILING DATE: 14-SEP-1994
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; APPLICATION NUMBER: US 08/248,812
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,371
; FILING DATE: 14-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/154,915
; FILING DATE: 18-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,997
; FILING DATE: 17-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MIV-071.04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 832-1299
; TELEFAX: (617) 832-7000
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 127 amino acids
; type: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear

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:	MOLECULE TYPE:	peptide
:	FRAGMENT TYPE:	internal
US-08-346-147B-14		
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Db	1	MMGMXXVAXXLLXGXGAXNCNDXPYTXRXRPHDAAREGFLDTLVVLHXGXGARLDVDAM 60
OY	60	GLRLPDLNLOERGHODIVYLRSA--CSCISCSAGWSICTGNVAQOTGVGHSSSTPRALEUR 118
Db	61	GLRLPYDLNAXEXGHNKXXXYYLRLRAKXCSCISCSAGWSICTGNVAQTGDCHFSSTPRALEUR 120
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Search completed: August 24, 2001, 17:48:13
Job time: 179 sec

Job time: 179 sec

OM of: US-09-016-869A-2 to: Issued_Patents_NA:* out_format : pfs
Date: Aug 25, 2001 9:09 AM

About: Results were produced by the GenCore software, version 4.5,
Copyright (c) 1993-2000 Compugen Ltd.

Command line parameters:

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-DB=Issued_Patents_NA -OPM=fastap -SUFFIX=p2n.rn1
-GAPOP=12.000 -GAPEXT=4.000 -MINMATCH=0.100 -LOOPEXT=0.000
-LOOPEXT=0.000 -GAPOP=4.500 -GAPEXT=0.050 -XGAPOP=10.000
-XGAPEXT=0.500 -XGAPOP=6.000 -XGAPEXT=7.000 -XGAPOP=10.000
-XGAPEXT=0.500 -DELOP=6.000 -DELEXT=7.000 -START=1
-MATRIX=bloms62 -TRANS=human40.cdi -LIST=45 -DOCLIGN=200
-THR_SCORE=pct -THR_MAX=100 -THR_MIN=0 -ALIGN=15 -MODE=LOCAL
-OUTFM=pis -NORM=ext -MINLEN=0 -MAXLEN=200000000
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-WAIT -THREADS=1

Search information block:

Query: US-09-016-869A-2
Query length: 156
Database: Issued_Patents_NA:*
Database sequences: 324599
Database length: 9465562
Search time (sec): 111.840000

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/cgn2_6/p2odata/1/ina/5B.COMB.seq:US-08-986-515-36+		789.00	1496.95	9.2e-76	947
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/cgn2_6/p2odata/1/ina/5B.COMB.seq:US-08-487-033-1+		789.00	1496.95	9.2e-76	947
/cgn2_6/p2odata/1/ina/5B.COMB.seq:US-08-480-810-1+		789.00	1496.95	9.2e-76	947
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51 ValMetMetMetGlySerAlaArgValAlaGluLeuLeuHisG1 67
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84 sPaLaAlaArgGluGlyPheLeuAspThrLeuValValLeuHisArgAla 100
291 ACCTGCGCCGAGGAGGCTTCTCTGACACCGCTGCTGCTGCACCGGCG 340
101 GYAlaAlaArgLeuAspValaArgAspAlaTrpGlyArgLeuProValAsp 117
341 GGGGCGCGCTGGACGTGGCGCGATGCTGGGGCGCTGCTGCGCGTGA 390
117 uAlaGluGluLeuGlyHisArgAspValAlaArgTyrLeuArgAlaAla 134
391 GCGTGAAGAGCTGGCCATGCGATGCTCCGACGCTGCTGCGCGGCTG 440
134 laGlyGlyThrArgGlySerAsnHisAlaArgTlleAspAlaAlaGluGly 150
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seq_documentation_block:
; Sequence 1, Application US/08306511A
; Patent No. 5962316
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08-306-511A
; FILING DATE: 14-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: CSI-001CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 994 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
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; FEATURE:
; NAME/KEY: CDS
; LOCATION: 41..508
US-08-306-511A-1
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Ratio: 5.128 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000
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17 aThrAlaAlaAlaArgGlyArgValAlaGluValArgAlaLeuLeuGlu 34
91 CACGGCCCGCGCGCGGCTCGGGTAGAGAGGTGCGGGCGCTGTCGAGG 140
34 laValAlaLeuProAsnAlaProAsnSerTyrGlyArgArgProIleGln 50
141 CGGTGGCGCTGCCCAACGACCGAATAGTACGGTGGAGGCGGATCCAG 190
51 ValMetMetMetGlySerAlaArgValAlaGluLeuLeuLeuHisG1 67
191 GTCATGATGATGGGACGCGCCGAGTGGGAGTGGGAGTGGTGTCTCACGG 240
67 YAlaGluProAsnCysAlaAspProAlaThrLeuThrArgProValHisA 84
241 CGGGAGGCCCACTGGCGGACCCCGCACTCTCACCCGACCGGTGCACG 290
84 sPaLaAlaArgGluGlyPheLeuAspThrLeuValValLeuHisArgAla 100
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101 GYAlaAlaArgLeuAspValaArgAspAlaTrpGlyArgLeuProValAsp 117
341 GGGGCGCGCTGGACGTGGCGGATGCTGGGGCGCTGCTGCGCGTGA 390
117 uAlaGluGluLeuGlyHisArgAspValAlaArgTyrLeuArgAlaAla 134
391 GCGTGAAGAGCTGGCCATGCGATGCTCCGACGCTGCTGCGCGGCTG 440
134 laGlyGlyThrArgGlySerAsnHisAlaArgTlleAspAlaAlaGluGly 150
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seq_documentation_block:
; Sequence 1, Application US/08893274
; Patent No. 5968821
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,
; and Uses Related Thereto
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
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STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/893,274
FILING DATE: 15-JULY-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEPTEMBER-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,371
FILING DATE: 14-APRIL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/154,915
FILING DATE: 18-NOVEMBER-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DECEMBER-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/963,308
FILING DATE: 16-OCTOBER-1992
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-071.09
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1000
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 994 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 41..508
US-08-893-274-1

Alignment scores:
Quality: 800.00 Length: 156
Ratio: 5.128 Gaps: 0
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; Sequence 1, Application US/08581918A
; Patent No. 6043030
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; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley, Hoag & Eliot
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPad
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/581,918A
; FILING DATE: 02-JAN-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/497,214
; FILING DATE: 30-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/346,147
; FILING DATE: 29-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/248,812
; FILING DATE: 14-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,371
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/154,915
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FILING DATE: 18-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MTV-071.06
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1299
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 994 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 41..508
US-08-581-918A-1

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Ratio: 5.128 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

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; Patent No. 621134
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley, Hoag & Eliot
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordpad
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/346,147B
; FILING DATE: 29-NOV-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/306,511
; FILING DATE: 14-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/248,812
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,371
; FILING DATE: 14-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/154,915
; FILING DATE: 18-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,997
; FILING DATE: 17-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MTV-071.04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 832-1299
; TELEFAX: (617) 832-7000
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 994 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 41..508
; US-08-346-147B-1
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alignment_scores:
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Ratio: 5.128 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:

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Align seg 1/1 to: US-08-346-147B-1 from: 1 to: 994

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|||||
91 CACGGCGGGGCGCGGGGTGGGTAGAGAGGTGGGGGGCTGCTGGAGG 140
|||||
34 lAlaValAlaLeuProAsnAlaProAsnSerTyrGlyArgArgProIleGln 50
|||||
141 CGGTGGCGCTGCCCAACGACCGAATAGTTACGGTGGAGGCCCATCCAG 190
|||||
51 ValMetMetMetGlySerAlaArgValAlaGluLeuLeuLeuHisG1 67
|||||
191 GTCATATGATGAGGACGCCGCGAGTGGCGAGCTGCTGCTCCACGG 240
|||||
67 yAlaGluProAsnCyAlaAspProAlaThrLeuThrArgProValHisA 84
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241 CGGGAGGCCCACTGGCGCGACCCGCCACTCTCAACCGGACCCGTGCAG 290
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391 GGCTGAGGAGCTGGGCGCATCGCGATGTCGACAGGTACTGGCGGGGGCTG 440
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441 CGGGGGGCGACAGAGGCGAGTAACCATGCCGATAGATGCCGCGGAGGT 490
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; Sequence 1, Application US/08822936
; Patent No. 6242575
; GENERAL INFORMATION:
; APPLICANT: Massague, Joan
; APPLICANT: Roberts, James M.
; APPLICANT: Koff, Andrew
; APPLICANT: Polyak, Kornelia
; TITLE OF INVENTION: Isolated P27 Protein, Nucleic Acid
; TITLE OF INVENTION: Molecules Encoding Same, Methods of Identifying Agents Acting
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley, Hoag & Eliot, LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/822,936
; FILING DATE: 21-FEBRUARY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
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; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MIV-079.05
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 832-1000
; TELEFAX: (617) 832-7000
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 994 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 41..508
; US-08-822-936-1
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Percent Similarity: 100.000 Percent Identity: 100.000

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Align seg 1/1 to: US-08-822-936-1 from: 1 to: 994

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17 aThrAlaAlaAlaArgGlyArgValGluGluValAlaArgAlaLeuGluA 34
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91 CACGGCGGGGCGCGGGGTGGGTAGAGAGGTGGGGGGCTGCTGGAGG 140
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34 lAlaValAlaLeuProAsnAlaProAsnSerTyrGlyArgArgProIleGln 50
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291 ACCTGCCCCGGGAGGGCTTCTTGACACGCTGTGGTGTCTGCACCGGGCC 340
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101 GlYAlaArgLeuAspValAlaArgAspAlaTrpGlyArgLeuProValAspLe 117
|||||
341 GGGGCGCGCTGGACGTGGCGCATGCTGGGGCGCTGCTGCCCGTGAGACT 390
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117 uAlaGluGluLeuGlyHisArgAspValAlaArgTyrLeuArgAlaAla 134
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391 GGCTGAGGAGCTGGGCGCATCGCGATGTGCACGGAGACCTGGCGGGCTG 440
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134 lAglyGlyThrArgGlySerAsnHisAlaArgTLeAspAlaAlaGluGly 150
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441 CGGGGGGCGACAGAGGCGAGTAACCATGCCGATAGATGCCGCGGAGGT 490
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; Sequence 1, Application PC/TUS9504636
; GENERAL INFORMATION:
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MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 1..471
US-08-474-177-1

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Quality: 789.00 Length: 156
Ratio: 5.090 Gaps: 0
Percent Similarity: 99.359 Percent Identity: 98.718

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Align seg 1/1 to: US-08-474-177-1 from: 1 to: 471

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17 aThrAlaAlaAlaArgGlyArgValGluGluValArgAlaLeuGluA 34
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51 CAGGCGCGCGCGCGGCTGGGTAGAGAGGTGCGGCGGCTGCTGAGG 100
34 ValAlaAlaLeuProAsnAlaProAsnSerTyrGlyArgArgProLeu 50
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101 CGGGGCGCGCGCGCCCAAGCAGCAAGATTAGCTGCGAGCGCGATCCAG 150
51 ValMetMetMetGlySerAlaArgValAlaGluLeuLeuLeuHisI 67
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151 GTATATATGATGGGAGCGCGCCGAGTGGGAGCTCTGCTGCCACGG 200
67 YAlaGluProAsnCyAlaAspProAlaThrLeuThrArgProValHisA 84
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84 sPAlaAlaArgGluGlyPheLeuAspThrLeuValValLeuHisArgAla 100
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251 ACCGTGCGCGGAGGGCTTCTGACACGCTGCTGCTGCTGACCGGCGC 300
101 GlyAlaArgLeuAspValArgAspAlaTyrPglyArgLeuProValAsp 117
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301 GGGGCGGCGGTGGACGTGCGCGATGCTGGGCGCTGCTGCGCTGACCT 350
117 uAlaGluGluLeuGlyHisArgAspValAlaArgTyrLeuArgAlaAla 134
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351 GCGTGAAGAGACTGGCCATGCGCATGTGCGACGTTACTGCGGCGGCTG 400
134 laGlyGlyThrArgGlySerAsnHisAlaAlaArgIleAspAlaAlaGluGly 150
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401 CGGGGCGCACCAAGAGGAGTAACCATGCGCGCATAGATGCGCGGAAGGT 450
151 ProSerAspIleProAsp 156
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451 CCTCAGACATCCCGCAT 468
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seq_documentation_block:

; Sequence 1, Application US/08487033

; Patent No. 5739027

; GENERAL INFORMATION:

; APPLICANT: Ramb, Alexander

; TITLE OF INVENTION: MTS1EI-Beta GENE

; NUMBER OF SEQUENCES: 36

; CORRESPONDENCE ADDRESS:

; ADDRESS: Venable, Baetjer, Howard & Civiletti, LLP

; STREET: 1201 New York Avenue, Suite 1000

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CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,033
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-8300
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 471 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 1..471
US-08-487-033-1
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Percent Similarity: 99.359 Percent Identity: 98.718

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17 aThrAlaAlaAlaArgGlyArgValGluGluValArgAlaLeuGluA 34
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51 CAGGCGCGCGCGCGGCTGGGTAGAGAGGTGCGGCGGCTGCTGAGG 100
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PRIOR APPLICATION DATA:

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151 proSerAsnTleProAsn 156
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; Sequence 1, Application US/08508735
; Patent No. 5843756
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; GENERAL INFORMATION:
; APPLICANT: Stone, Steven
; APPLICANT: Jiang, Ping
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESS: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/508.735
; FILING DATE:
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US to be assigned
; FILING DATE: 07-JUN-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03316
; FILING DATE: 17-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-109348
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4848
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 471 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..471
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 150..151
; OTHER INFORMATION: /note= "splice site"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 457..458
; OTHER INFORMATION: /note= "splice site"
; US-08-508-735-1
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Quality: 789.00 Length: 156
Ratio: 5.090 Gaps: 0
Percent Similarity: 99.359 Percent Identity: 98.718
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17 aThrAlaAlaAaArgGlyArgValGluGluValArgAlaLeuGluGua 34
|||||
51 CACGGCCCGCGCGCGGAGTGAAGAGTGGGGCTGCTGGAGAG 100
34 laValAlaLeuProAsnAlaProAsnSerTyGlyArgArgProIleGln 50
|||||
101 CGGGGGCGCTGCCCAAGCAGCAGCATTAATACGGTGGAGGCCATCCAG 150
51 ValMetMetMetGlySerAlaArgValAlaGluLeuLeuLeuHisG1 67
|||||
151 GTCATGATGATGAGCGAGCGCCAGTAGCGGAGCTGCTGCTCCACAG 200
67 yAlaGluProAsnGlyAlaAspProAlaThrLeuThrArgProValHisA 84
|||||
201 CCGGAGGCCCAACTGCGCGAGCCCGCCACTCTCACCGAGCCGTCGACG 250
84 sPAlaAlaArgGluGlyPheLeuAspThrLeuValIleuHisArgAla 100
|||||
251 ACGTGCCCGGAGGAGCTTCTCGGACACGCTGGTGTCTGACCGGCGCC 300
101 GlYAlaArgLeuAspValAlaArgAspAlaTrpGlyArgLeuProValAsp 117
|||||
301 GGGGGCGCGCTGAGCTGGCGATGCTGGGGCGCTGCGCGTGGACCT 350
117 uAlaGluGluLeuGlyHisArgAspValAlaArgTyrlleuArgAlaAla 134
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351 GCGTGAGGAGCTGGGCGCATCGGATGTCGACAGTACCTGGCGGGGCTG 400
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seq_name: /cgn2.6/ptodata/1/ina/5B-COMB.seq:us-08-848-251-1

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seq_documentation_block:
; Sequence 1, Application US/08848251
; Patent No. 5989815
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; GENERAL INFORMATION:
; APPLICANT: Skolnick, Mark H.
; APPLICANT: Cannon-Albright, Lisa A.
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: GERMLINE MUTATIONS IN THE MTS GENE AND
; TITLE OF INVENTION: METHOD FOR DETECTING PREDISPOSITION TO CANCER AT THE MTS
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESS: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/848.251
; FILING DATE:
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CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/474,083
? FILING DATE: 07-JUN-1995
? APPLICATION NUMBER: PCT/US95/03537
? FILING DATE: 17-MAR-1995
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/251,938
? FILING DATE: 01-JUN-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/215,087
? FILING DATE: 18-MAR-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/215,086
? FILING DATE: 18-MAR-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/227,369
? FILING DATE: 14-APR-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/214,582
? FILING DATE: 18-MAR-1994
? ATTORNEY/AGENT INFORMATION:
? NAME: Ihnen, Jeffrey L.
? REGISTRATION NUMBER: 28,957
? REFERENCE/DOCKET NUMBER: 24884-109348-G
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 202-962-4810
? TELEFAX: 202-962-8300
? INFORMATION FOR SEQ ID NO: 1:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 471 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: linear
? MOLECULE TYPE: cDNA
? HYPOTHETICAL: NO
? ANTI-SENSE: NO
? ORIGINAL SOURCE:
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 1..471
? US-08-848-251-1

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? Quality: 789.00 Length: 156
? Ratio: 5.090 Gaps: 0
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17 aTrrAlaAlaAlaArgGlyArgValGluGluValArgAlaLeuGluA 34
1 CAGGCGCGCGCGCGGGGTCGGTAAAGAGGTGGCGGCGCTGCTGGAG 100
101 CGGGGGGCGTGGCCCAAGCAGCAATAGTTACGGTGGAGGCGGATCC 150
51 ValMetMetMetGlySerAlaArgValAlaGluLeuLeuLeuHisG 67
151 GTGATATGATGTGGGAGCGCCCGCAGTGGCGGAGCTGCTGCTCCAC 200
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84 sPAlaAlaArgGluGlyPheLeuAspThrLeuValValLeuHisArgAla 100
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101 GAlaArgLeuAspValArgAspAlaTrpGlyArgLeuProValAspLe 117
301 GGGGCGCGGCTGGACGTGGCGGATGCTGGGGCCGCTGCGCGTGAACCT 350
117 uAlaGluLeuGlyHisArgAspValAlaArgTyrLeuArgAlaAla 134
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134 lAGlyGlyThrArgGlySerAsnHisAlaArgIleAspAlaAlaGly 150
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seq_documentation_block:
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? Patent No. 5994095
? GENERAL INFORMATION:
? APPLICANT: Kamd, Alexander
? TITLE OF INVENTION: MTS2 GENE
? NUMBER OF SEQUENCES: 36
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
? STREET: 1201 New York Avenue, Suite 1000
? CITY: Washington
? STATE: DC
? COUNTRY: USA
? ZIP: 20005
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: PatentIn Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/486,047
? FILING DATE: 07-JUN-1995
? CLASSIFICATION: 435
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: PCT/US95/03316
? FILING DATE: 17-MAR-1995
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/251,938
? FILING DATE: 01-JUN-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/215,087
? FILING DATE: 18-MAR-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/215,086
? FILING DATE: 14-APR-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/214,582
? FILING DATE: 18-MAR-1994
? ATTORNEY/AGENT INFORMATION:
? NAME: Ihnen, Jeffrey L.
? REGISTRATION NUMBER: 28,957
? REFERENCE/DOCKET NUMBER: 24884-109348-B
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 202-962-4810
? TELEFAX: 202-962-8300
? INFORMATION FOR SEQ ID NO: 1:
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SEQUENCE CHARACTERISTICS:
LENGTH: 471 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 1..471
US-08-486-047-1

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Quality: 789.00 Length: 156
Ratio: 5.090 Gaps: 0
Percent Similarity: 99.359 Percent Identity: 98.718

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1 CACGCGCGCGCGCGCGGCTCGGCTAGAGAGAGTGGCGGCTGCTGAGAG 100
51 lAValAlaLeuProAlaAlaProAlaProAlaSerTyrGlyArgArgProIleGln 50
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67 ValGluGluProAlaProAlaAspProAlaThrLeuThrArgProValHisAla 84
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301 GGGGCGCGGCTGGACGTCGCGCATGCTGGGCGCTGCGCGTGGACCT 350
117 uAlaGluGluLeuGlyHisArgAspValAlaArgTyrLeuAspArgAlaAla 134
351 GGCTGAGAGAGCTGGCCATGCGCATGCTGCGACGCTACCTGCGCGGCTG 400
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151 ProSerAspIleProAsp 156
451 CCCTCAGACATCCCGCAT 468
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; Sequence 1, Application US/09120130
; Patent No. 6037462
; GENERAL INFORMATION:
; APPLICANT: Kamb, Alexander

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1 TITLE OF INVENTION: MTS1 GENE
1 NUMBER OF SEQUENCES: 36
1 CORRESPONDENCE ADDRESS:
1 ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
1 STREET: 1201 New York Avenue, Suite 1000
1 CITY: Washington
1 STATE: DC
1 COUNTRY: USA
1 ZIP: 20005
1 COMPUTER READABLE FORM:
1 MEDIUM TYPE: Floppy disk
1 COMPUTER: IBM PC compatible
1 OPERATING SYSTEM: PC-DOS/MS-DOS
1 SOFTWARE: PatentIn Release #1.0, Version #1.30
1 CURRENT APPLICATION DATA:
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1 APPLICATION NUMBER: 08/480,810
1 FILING DATE:
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: US 08/251,938
1 FILING DATE: 01-JUN-1994
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: US 08/215,087
1 FILING DATE: 18-MAR-1994
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: US 08/215,086
1 FILING DATE: 18-MAR-1994
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: US 08/227,369
1 FILING DATE: 14-APR-1994
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: US 08/214,582
1 FILING DATE: 18-MAR-1994
1 ATTORNEY/AGENT INFORMATION:
1 NAME: Ihnen, Jeffrey L.
1 REGISTRATION NUMBER: 28,957
1 REFERENCE/DOCKET NUMBER: 24884-109348
1 TELECOMMUNICATION INFORMATION:
1 TELEPHONE: 202-962-4810
1 TELEFAX: 202-962-8300
1 INFORMATION FOR SEQ ID NO: 1:
1 SEQUENCE CHARACTERISTICS:
1 LENGTH: 471 base pairs
1 TYPE: nucleic acid
1 STRANDEDNESS: double
1 TOPOLOGY: linear
1 MOLECULE TYPE: cDNA
1 HYPOTHETICAL: NO
1 ANTI-SENSE: NO
1 ORIGINAL SOURCE:
1 ORGANISM: Homo sapiens
1 FEATURE:
1 NAME/KEY: CDS
1 LOCATION: 1..471
1 US-09-120-130-1
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alignment_scores:

Quality: 789.00 Length: 156
Ratio: 5.090 Gaps: 0
Percent Similarity: 99.359 Percent Identity: 98.718

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Align seg 1/1 to: US-09-120-130-1 from: 1 to: 471

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3      FILING DATE:  18-MAR-1994
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6      FILING DATE:  14-APR-1994
7      PRIOR APPLICATION DATA:
8      APPLICATION NUMBER:  US 08/214,582
9      FILING DATE:  18-MAR-1994
10     ATTORNEY/AGENT INFORMATION:
11     NAME:  Ihnen, Jeffrey L.
12     REGISTRATION NUMBER:  28,957
13     REFERENCE/DOCKET NUMBER:  24884-109348
14     TELECOMMUNICATION INFORMATION:
15     TELEPHONE:  202-962-4810
16     TELEFAX:  202-962-8300
17     INFORMATION FOR SEQ ID NO:  1:
18     SEQUENCE CHARACTERISTICS:
19     LENGTH:  471 base pairs
20     type:  nucleic acid
21     STRANDEDNESS:  double
22     TOPOLOGY:  linear
23     MOLECULE TYPE:  CDNA
24     HYPOTHETICAL:  NO
25     ANTI-SENSE:  NO
26     ORIGINAL SOURCE:
27     ORGANISM:  Homo sapiens
28     FEATURE:
29     NAME/KEY:  CDS
30     LOCATION:  1..471
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Ratio:	5.090	Gaps:	0
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478 CAGTCATGATGATGGGACGGCGCGCTGGCGGAGCTGCGTCCA 527
67 sGlyAlaGluProAsnCysAlaAspProAlaThrLeuThrArgProValH 84
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528 CGGCGGAGCCCACTGCGAGACCCCTCTCACCGCGCGGTC 577
84 lAspAlaAlaArgGluGlyPheLeuAspThrLeuValLeuHisArg 100
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578 ATGATGCTGCGCGGAGGCTCTGAGACGCTGTGTGCTGCACCGG 627
628 GCCGGGCGCGCTGGACGTGCGGATGCGTGGTCTGCCCTGGA 677
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seq_name: /cgn2_6/ptodata/1/ina/5B_COMB.seq:US-08-893-274-3

seq_documentation_block:

; Sequence 3, Application US/08893274

; Patent No. 568821

; GENERAL INFORMATION:

; APPLICANT: Beach, David H.

; APPLICANT: Demetrick, Douglas J.

; APPLICANT: Serrano, Manuel

; APPLICANT: Hannon, Gregory J.

; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,

; TITLE OF INVENTION: and Uses Related Thereto

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: FOLEY, HOAG & ELLIOT LLP

; STREET: One Post Office Square

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: ASCII(text)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/893,274

; FILING DATE: 15-JULY-1997

; CLASSIFICATION: 800

; APPLICATION DATA:

; APPLICATION NUMBER: US 08/306,511

; FILING DATE: 14-SEPTEMBER-1994

; APPLICATION DATA:

; APPLICATION NUMBER: US 08/248,812

; FILING DATE: 25-MAY-1994

; APPLICATION DATA:

; APPLICATION NUMBER: US 08/227,371

; FILING DATE: 14-APRIL-1994

; APPLICATION DATA:

; APPLICATION NUMBER: US 08/154,915

; FILING DATE: 18-NOVEMBER-1993

; APPLICATION DATA:

; APPLICATION NUMBER: US 07/991,997

; FILING DATE: 17-DECEMBER-1992

; APPLICATION DATA:

; APPLICATION NUMBER: US 07/963,308

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; FILING DATE: 16-OCTOBER-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MIV-071.09
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 832-1000
; TELEFAX: (617) 832-7000
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 837 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 328..738
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; Sequence 15, Application US/08474177

; Patent No. 5624819

; GENERAL INFORMATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-8300
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 751 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 335..751
US-08-487-033-15

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Sequence 15, Application US/08480810

Patent No. 5801236

GENERAL INFORMATION:

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: M1S1 GENE

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/480,810

FILING DATE: 07-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/03316

FILING DATE: 17-MAR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/251,938

FILING DATE: 01-JUN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,087

FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,086

FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,369

FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/214,582

FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 24884-109348

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-8300

TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 751 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: 335..751

US-08-480-810-15

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Alignment block:

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seq_documentation_block:
: Sequence 15, Application US/08508735
: Patent No. 5843756
: GENERAL INFORMATION:
: APPLICANT: Stone, Steven
: APPLICANT: Jiang, Ping
: APPLICANT: Kamd, Alexander
: TITLE OF INVENTION: MRS GENE AND THERAPEUTIC USE THEREOF
: NUMBER OF SEQUENCES: 47
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
: STREET: 1201 New York Avenue, Suite 1000
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20005
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: SOFTWARE: Patent Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/508,735
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US to be assigned
: FILING DATE: 07-JUN-1995

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: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PCT/US95/03316
: FILING DATE: 17-MAR-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Ihnen, Jeffrey L.
: REGISTRATION NUMBER: 28,957
: REFERENCE/DOCKET NUMBER: 24884-109348
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-962-8300
: TELEFAX: 202-962-4848
: INFORMATION FOR SEQ ID NO: 15:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 751 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: HYPOTHEICAL: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 335..751
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: 490..491
: OTHER INFORMATION: /note= "splice site"
US-08-508-735-15

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Ratio: 4.981 Gaps: 1
Percent Similarity: 97.101 Percent Identity: 95.652

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33 rpgluAlaGlyAlaAspProAsnGlyValAsnArgPheGlyArgGala 49
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66 uHisGlyAlaGluProAsnCysAlaAspProAlaThrLeuThrArgPro 83
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seq_documentation_block:
: Sequence 15, Application US/08848251
: Patent No. 5989815
: GENERAL INFORMATION:
: APPLICANT: Skolnick, Mark H.
: APPLICANT: Cannon, Aldright, Lisa A.
: TITLE OF INVENTION: GERM-LINE MUTATIONS IN THE MTS GENE AND
: TITLE OF INVENTION: METHOD FOR DETECTING PREDISPOSITION TO CANCER AT THE MTS
: NUMBER OF SEQUENCES: 36
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
: STREET: 1201 New York Avenue, Suite 1000
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20005

COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/848,251
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/474,083
: FILING DATE: 07-JUN-1995
: APPLICATION NUMBER: PCT/US95/03537
: FILING DATE: 17-MAR-1995
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/251,938
: FILING DATE: 01-JUN-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/215,087
: FILING DATE: 18-MAR-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/215,086
: FILING DATE: 18-MAR-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/227,369
: FILING DATE: 14-APR-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/214,582
: FILING DATE: 18-MAR-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Imnen, Jeffrey L.
: REGISTRATION NUMBER: 28,957
: REFERENCE/DOCKET NUMBER: 24884-109348-G
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-962-4810
: TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO. 15:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 751 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: CDNA
: HYPOTHETICAL: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS

LOCATION: 335...751
US-08-848-251-15

alignment_scores:
Quality: 667.50 Length: 138
Ratio: 4.981 Gaps: 1
Percent Similarity: 97.101 Percent Identity: 95.652

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US-09-016-869A-4 x US-08-848-251-15 ..

Align seq 1/1 to: US-08-848-251-15 from: 1 to: 751

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17 YLeuAlaThr...ProAlaArgGlyLeuValGluValArgHisSerT 33
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535 CCACGCGCGGAGCGCACTGCGCAGACCTGCCACTCTACCCGACCG 584
83 alHisAspAlaAlaArgGluGlyPheLeuAspThrLeuValLeuHis 99
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seq_documentation_block:
: Sequence 15, Application US/08486047
: Patent No. 5994095
: GENERAL INFORMATION:
: APPLICANT: Kamb, Alexander
: TITLE OF INVENTION: MTS2 GENE
: NUMBER OF SEQUENCES: 36
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
: STREET: 1201 New York Avenue, Suite 1000
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20005

COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/486,047

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? FILING DATE: 07-JUN-1995
? CLASSIFICATION: 435
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: PCT/US95/03316
? FILING DATE: 17-MAR-1995
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/251,938
? FILING DATE: 01-JUN-1994
? PRIOR APPLICATION DATA:
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? FILING DATE: 14-APR-1994
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? APPLICATION NUMBER: US 08/214,582
? FILING DATE: 18-MAR-1994
? ATTORNEY/AGENT INFORMATION:
? NAME: Innen, Jeffrey L.
? REGISTRATION NUMBER: 28,957
? REFERENCE/DOCKET NUMBER: 24884-109348-B
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 202-962-4810
? TELEFAX: 202-962-8300
? INFORMATION FOR SEQ ID NO: 15:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 751 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: linear
? MOLECULE TYPE: cDNA
? HYPOTHETICAL: NO
? ANTI-SENSE: NO
? ORIGINAL SOURCE:
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 335..751
? US-08-486-047-15

alignment_scores:
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      Ratio: 4.981      Gaps: 1
Percent Similarity: 97.101      Percent Identity: 95.652

alignment_block:
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Align seg 1/1 to: US-08-486-047-15 from: 1 to: 751

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735 CAGCCAGCGGCGGAGC 748

seq_name: /cgn2_6/ptodata/1/ina/6A_COMB.seq:US-09-120-130-15
seq_documentation_block:
? Sequence 15, Application US/09120130
? Patent No. 6037462
? GENERAL INFORMATION:
? APPLICANT: Kamp, Alexander
? TITLE OF INVENTION: MTS1 GENE
? NUMBER OF SEQUENCES: 36
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
? STREET: 1201 New York Avenue, Suite 1000
? CITY: Washington
? STATE: DC
? COUNTRY: USA
? ZIP: 20005
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: PatentIn Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
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? APPLICATION NUMBER: 08/480,810
? FILING DATE:
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? APPLICATION NUMBER: US 08/251,938
? FILING DATE: 01-JUN-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/215,087
? FILING DATE: 18-MAR-1994
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? APPLICATION NUMBER: US 08/227,369
? FILING DATE: 14-APR-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/214,582
? FILING DATE: 18-MAR-1994
? ATTORNEY/AGENT INFORMATION:
? NAME: Innen, Jeffrey L.
? REGISTRATION NUMBER: 28,957
? REFERENCE/DOCKET NUMBER: 24884-109348
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 202-962-4810
? TELEFAX: 202-962-8300
? INFORMATION FOR SEQ ID NO: 15:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 751 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: linear
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MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 335..751
US-09-120-130-15

alignment_scores:
Quality: 667.50 Length: 138
Ratio: 4.981 Gaps: 1
Percent Similarity: 97.101 Percent Identity: 95.652

alignment_block:
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Align seg 1/1 to: US-09-120-130-15 from: 1 to: 751

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Patent No. 6060301

GENERAL INFORMATION:
APPLICANT: Ramb, Alexander
TITLE OF INVENTION: MTS1 GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/09/115,252
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/480,810
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Immen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ. ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 751 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
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US-09-115-252-15

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Ratio: 4.981 Gaps: 1
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; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS1 GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
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; FILING DATE: 14-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/214,582
; FILING DATE: 18-MAR-1994
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; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-109348

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; TELECOMMUNICATION INFORMATION:
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; TYPE: nucleic acid
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; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 335..751
; US-08-986-515-15

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; Patent No. 6140473
; GENERAL INFORMATION:
; APPLICANT: Kamb, Alexander

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1 TITLE OF INVENTION: MTS2 GENE
2 NUMBER OF SEQUENCES: 36
3 CORRESPONDENCE ADDRESS:
4 ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
5 STREET: 1201 New York Avenue, Suite 1000
6 CITY: Washington
7 STATE: DC
8 COUNTRY: USA
9 ZIP: 20005
10 COMPUTER READABLE FORM:
11 MEDIUM TYPE: Floppy disk
12 COMPUTER: IBM PC compatible
13 OPERATING SYSTEM: PC-DOS/MS-DOS
14 SOFTWARE: PatentIn Release #1.0, Version #1.30
15 CURRENT APPLICATION DATA:
16 APPLICATION NUMBER: US/09/120,128
17 FILING DATE:
18 CLASSIFICATION:
19 PRIOR APPLICATION DATA:
20 APPLICATION NUMBER: US/08/486,047
21 FILING DATE: 07-JUN-1995
22 APPLICATION NUMBER: PCT/US95/03316
23 FILING DATE: 17-MAR-1995
24 PRIOR APPLICATION DATA:
25 APPLICATION NUMBER: US 08/251,938
26 FILING DATE: 01-JUN-1994
27 PRIOR APPLICATION DATA:
28 APPLICATION NUMBER: US 08/215,087
29 FILING DATE: 18-MAR-1994
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32 FILING DATE: 18-MAR-1994
33 PRIOR APPLICATION DATA:
34 APPLICATION NUMBER: US 08/227,369
35 FILING DATE: 14-APR-1994
36 PRIOR APPLICATION DATA:
37 APPLICATION NUMBER: US 08/214,582
38 FILING DATE: 18-MAR-1994
39 ATTORNEY/AGENT INFORMATION:
40 NAME: Ihnen, Jeffrey L.
41 REGISTRATION NUMBER: 28,957
42 REFERENCE/DOCKET NUMBER: 24884-109348-B
43 TELECOMMUNICATION INFORMATION:
44 TELEPHONE: 202-962-4810
45 TELEFAX: 202-962-8300
46 INFORMATION FOR SEQ ID NO: 15:
47 SEQUENCE CHARACTERISTICS:
48 LENGTH: 751 base pairs
49 TYPE: nucleic acid
50 STRANDEDNESS: double
51 TOPOLOGY: linear
52 MOLECULE TYPE: cDNA
53 HYPOTHETICAL: NO
54 ANTI-SENSE: NO
55 ORIGINAL SOURCE:
56 ORGANISM: Homo sapiens
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; Patent No. 6180776
; GENERAL INFORMATION:
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS2 GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
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; COMPUTER: IBM PC compatible
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; SOFTWARE: PatentIn Release #1.0, Version #1.30
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; FILING DATE:
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/486,047
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: PCT/US95/03316
; FILING DATE: 17-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/251,938
; FILING DATE: 01-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/215,087
; FILING DATE: 18-MAR-1994
; PRIOR APPLICATION DATA:
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: FILING DATE: 18-MAR-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/227,369
: FILING DATE: 14-APR-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/214,582
: FILING DATE: 18-MAR-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Ihnen, Jeffrey L.
: REGISTRATION NUMBER: 28,957
: REFERENCE/DOCKET NUMBER: 24884-109348-B
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-962-4810
: TELEFAX: 202-962-8300
: INFORMATION FOR SEQ ID NO: 15:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 751 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: HYPOTHEetical: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 335..751
: US-09-120-129-15

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: Patent No. 6210949
: GENERAL INFORMATION:
: APPLICANT: Stone, Steven
: APPLICANT: Jiang, Ping
: APPLICANT: Kamb, Alexander
: TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
: NUMBER OF SEQUENCES: 47
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
: STREET: 1201 New York Avenue, Suite 1000
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20005
: COMPUTER READABLE FORM:
: MEDIUM TYPE: floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
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: APPLICATION NUMBER: US/09/201,139
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: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/508,735
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: APPLICATION NUMBER: PCT/US95/03316
: FILING DATE: 17-MAR-1995
: APPLICATION NUMBER: PCT/US95/03316
: FILING DATE: 17-MAR-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Ihnen, Jeffrey L.
: REGISTRATION NUMBER: 28,957
: REFERENCE/DOCKET NUMBER: 24884-109348
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-962-4848
: TELEFAX: 202-962-8300
: INFORMATION FOR SEQ ID NO: 15:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 751 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: HYPOTHEtical: NO
: ANTI-SENSE: NO
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: ORGANISM: Homo sapiens
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: OTHER INFORMATION: /note= "splice site"
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: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
: STREET: 1201 New York Avenue, Suite 1000
: CITY: Washington
: STATE: DC
: COUNTRY: USA
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: FILING DATE: 14-APR-1994
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: APPLICATION NUMBER: US 08/214,582
: FILING DATE: 18-MAR-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Imen, Jeffrey L.
: REGISTRATION NUMBER: 28,957
: REFERENCE/DOCKET NUMBER: 24884-109348-B
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-962-4810
: TELEFAX: 202-962-8300
: INFORMATION FOR SEQ ID NO: 15:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 751 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: HYPOTHETICAL: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 335..751
: US-09-120-131-15

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Percent Similarity: 97.101	Percent Identity: 95.652	Gaps: 1

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Mon Aug 27 09:42:39 2001

us-09-016-869a-4.p2n.rn1

Page 13

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Date: Aug 25, 2001 9:09 AM

About: Results were produced by the GenCore software, version 4.5,
Copyright (c) 1993-2000 CompuGen Ltd.

Command line parameters:

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Search information block:

Query: US-09-016-869A-6
Query length: 125
Database: Issued_Patents_NA:*
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Patent No. 5843756
GENERAL INFORMATION:
APPLICANT: Stone, Steven
APPLICANT: Jiang, Ping
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/508,735
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US to be assigned
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24684-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-8300
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 44:
SEQUENCE CHARACTERISTICS:
LENGTH: 507 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
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ORGANISM: Mus musculus
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LOCATION: 126..127
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LOCATION: 467..468
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; Patent No. 6210949
; GENERAL INFORMATION:
; APPLICANT: Stone, Steven
; APPLICANT: Jiang, Ping
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/201,139
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/508,735
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03316
; FILING DATE: 17-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957

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REFERENCE/DOCKET NUMBER: 24884-109348

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-4848

TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 44:

SEQUENCE CHARACTERISTICS:

LENGTH: 507 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Mus musculus

FEATURE:

NAME/KEY: misc_feature

LOCATION: 126..127

OTHER INFORMATION: /note= "Splice site"

FEATURE:

NAME/KEY: misc_feature

LOCATION: 467..468

OTHER INFORMATION: /note= "Splice site"

US-09-201-139-44

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Ratio: 5.264

Percent Similarity: 100.000

Percent Identity: 100.000

Length: 125

Caps: 0

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Align seq 1/1 to: US-09-201-139-44 from: 1 to: 507

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; Patent No. 5723313

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GENERAL INFORMATION:
APPLICANT: Sherr, Charles, J.
APPLICANT: Quelle, Dawn, E.
TITLE OF INVENTION: ARF-p19, A No. 5723313el Regulator of the Mammalian Cell
TITLE OF INVENTION: ARF-p19, A No. 5723313el Regulator of the Mammalian Cell
NUMBER OF INVENTION: Cycle
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue Suite 600
City: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/534,975
FILING DATE: 28-SEP-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Fox, Samuel, L.
REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 0656,0590000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 43..548
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NAME/KEY: CDS
LOCATION: 43..551
US-08-534-975-1

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Ratio: 5.264 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

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Patent No. 5876965
GENERAL INFORMATION:
Applicant: Sherr, Charles, J.
Applicant: Quelle, Dawn, E.
TITLE OF INVENTION: ARF-p19, A No. 5876965el Regulator of the
NUMBER OF INVENTION: Mammalian Cell Cycle
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue Suite, 600
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/954,470
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/534,975
FILING DATE: 28-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fox, Samuel, L.
REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 0656,0590000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 43..548
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Quality: 658.00 Length: 125
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; Sequence 1, Application US/09129855A
; Patent No. 6046032
; GENERAL INFORMATION:
; APPLICANT: Sherr, Charles, J.
; TITLE OF INVENTION: ARF-p19, A No. 6046032el Regulator of the Mammalian
; TITLE OF INVENTION: Cell Cycle
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1100 New York Avenue Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentln Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/129,855A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/954,470
; FILING DATE: 20-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/534,975
; FILING DATE: 27-SEP-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 1340-1-023 CIP

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TELECOMMUNICATION INFORMATION:

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; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 713 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 43..548
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; NAME/KEY: CDS
; LOCATION: 43..551
; US-09-129-855A-1

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Percent Similarity: 100.000 Percent Identity: 100.000

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286 AGATTGCAACTGCGAGGACCCCACTACTCTCTCCGCCCGGTGCAGCAGC 335
34 laaIaIaTgGluGlyPheLeuAspThrLeuValIValLeuHisGlySerGly 50
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336 CAGCGCGGGGAAGGCTTCCTGACACAGCTGGTGTGCTGCACGGGTCAAGG 385
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; Sequence 1, Application US/09247154
; Patent No. 6172194
; GENERAL INFORMATION:
; APPLICANT: Sherr, Charles, J.
; TITLE OF INVENTION: ARF-p19, A No. 6172194el Regulator of the
; TITLE OF INVENTION: Mammalian Cell Cycle
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:

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: ADDRESS: Sterne, Kessler, Goldstein & Fox P.L.L.C.
: STREET: 1100 New York Avenue Suite 600
: CITY: Washington
: STATE: D.C.
: COUNTRY: USA
: ZIP: 20005
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: SOFTWARE: Patent Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/247,154
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/954,470
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Fox, Samuel, L.
: REGISTRATION NUMBER: 30,353
: REFERENCE/DOCKET NUMBER: 0656.0590000
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-371-2600
: TELEFAX: 202-371-2540
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 713 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: MOLECULE TYPE: DNA (genomic)
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 43..548
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: Sequence 5, Application US/08306511A
: Patent No. 5962316
: GENERAL INFORMATION:
: APPLICANT: Beach, David H.
: APPLICANT: Demetrick, Douglas J.
: APPLICANT: Serrano, Manuel
: APPLICANT: Hannon, Gregory J.
: TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
: NUMBER OF SEQUENCES: 11
: CORRESPONDENCE ADDRESSES:
: ADDRESS: LAHIVE & COCKFIELD
: STREET: 60 State Street
: CITY: Boston
: STATE: MA
: COUNTRY: USA
: ZIP: 02109
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: ASCII(text)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/306,511A
: FILING DATE: 14-SEP-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Vincent, Matthew P.
: REGISTRATION NUMBER: 36,709
: REFERENCE/DOCKET NUMBER: CSI-001CP2
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 227-7400
: TELEFAX: (617) 227-5941
: INFORMATION FOR SEQ ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 853 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: both
: TOPOLOGY: linear
: MOLECULE TYPE: CDNA
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 213..587
: US-08-306-511A-5

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; Sequence 5, Application US/08893274
; Patent No. 5968821
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/893,274
; FILING DATE: 15-JULY-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/306,511
; FILING DATE: 14-SEPTEMBER-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/248,812
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,371
; FILING DATE: 14-APRIL-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/154,915
; FILING DATE: 18-NOVEMBER-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,997
; FILING DATE: 17-DECEMBER-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/963,308
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; Sequence 5, Application US/08581918A
; Patent No. 6043030
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.
; FILING DATE: 16-OCTOBER-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MIV-071.09
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 832-1000
; TELEFAX: (617) 832-7000
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 853 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 213..587
; US-08-893-274-5

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67 aGlnGluArgGlyHisGlnAspIleValArgTyrLeuArgSerAlaGlyC 84
413 CCAAGAGCGGGGACATCAAGACATCGTGCATATTTCCTCCGCTGGGT 462
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;; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
;; TITLE OF INVENTION: Related Thereto
;; NUMBER OF SEQUENCES: 39
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Foley, Hoag & Eliot
;; STREET: One Post Office Square
;; CITY: Boston
;; STATE: MA
;; COUNTRY: USA
;; ZIP: 02109
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Wordpad
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/581,918A
;; FILING DATE: 02-JAN-1996
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/497,214
;; FILING DATE: 30-JUN-1995
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/346,147
;; FILING DATE: 29-NOV-1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/306,511
;; FILING DATE: 14-SEP-1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/248,812
;; FILING DATE: 25-MAY-1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/227,371
;; FILING DATE: 14-APR-1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/154,915
;; FILING DATE: 18-NOV-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 07/991,997
;; FILING DATE: 17-DEC-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Vincent, Matthew P.
;; REGISTRATION NUMBER: 36,709
;; REFERENCE/DOCKET NUMBER: MIV-071,06
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 832-1299
;; TELEFAX: (617) 832-7000
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 853 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: both
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 213..587
;; US-08-581-918A-5

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Percent Similarity: 100.000 Percent Identity: 100.000

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;; Sequence 5, Application US/08346147B
;; Patent No. 6211334
;; GENERAL INFORMATION:
;; APPLICANT: Beach, David H.
;; APPLICANT: Demetrick, Douglas J.
;; APPLICANT: Serrano, Manuel
;; APPLICANT: Hannon, Gregory J.
;; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
;; NUMBER OF SEQUENCES: 47
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Foley, Hoag & Eliot
;; STREET: One Post Office Square
;; CITY: Boston
;; STATE: MA
;; COUNTRY: USA
;; ZIP: 02109
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
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;; FILING DATE: 28-NOV-1994
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;; APPLICATION NUMBER: US 08/306,511
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;; PRIOR APPLICATION DATA:
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;; APPLICATION NUMBER: US 08/154,915
;; FILING DATE: 18-NOV-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 07/991,997
;; FILING DATE: 17-DEC-1992

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ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-071.04
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1299
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 853 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 213..587
US-08-346-147B-5
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Quality: 658.00 Length: 125
Ratio: 5.264 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000
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; Patent No. 6242575
; GENERAL INFORMATION:
; APPLICANT: Massague, Joan
; APPLICANT: Roberts, James M.
; APPLICANT: Koff, Andrew
; APPLICANT: Polyak, Kornelia
; TITLE OF INVENTION: Isolated P27 Protein, Nucleic Acid
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TITLE OF INVENTION: Molecules Encoding Same, Methods of Identifying Agents Acti
; TITLE OF INVENTION: and Uses of Said Agents
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley, Hoag & Eliot, LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/822,936
; FILING DATE: 21-FEBRUARY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MIV-079.05
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 832-1000
; TELEFAX: (617) 832-7000
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 853 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 213..587
; US-08-822-936-5
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Quality: 658.00 Length: 125
Ratio: 5.264 Gaps: 0
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34 laAlaArgGluGlyPheLeuAspThrLeuValAlaLeuHisGlySerGly 50
|||||
313 CAGCGCGGGAAGGCTTCTCGACACGCTGCTGCTGCACGCGGTACAGG 362
51 AlaArgLeuAspValAlaArgAspAlaTrpGlyArgLeuProLeuAspLeuAl 67
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363 GCTCGCGCTGATGTCGCGATGCTCGGGGTCGCGCTGCGCTGACACTTGGC 412
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: GENERAL INFORMATION:
: APPLICANT:
: TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
: TITLE OF INVENTION: Related Thereto
: NUMBER OF SEQUENCES: 10
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Ascii(text)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: PCT/US95/04636
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/346,147
: FILING DATE: 29-NOV-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/306,511
: FILING DATE: 14-SEP-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/248,812
: FILING DATE: 25-MAY-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/227,371
: FILING DATE: 14-APR-1994
: INFORMATION FOR SEQ ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 853 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: both
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 213..587
: PCT-US95-04636-5

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Quality: 658.00 Length: 125
Ratio: 5.264 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

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263 AGATTCGAAGCTCGAGAGACCCCACTACCTCTCCCGCCGGTGACAGCAG 312
34 laAlaArgGInGlyPheLeuaspThrLeuValValLeuHisGlySerGly 50
|||||
313 CAGCGCGGAGAGGCTTCCTGAGACAGCTGGTGCTGCTCAGGAGGTCAGGG 362
51 AlaArgLeuaspValAlaArgaspAlaTrpGlyArgLeuProLeuaspLeuAl 67
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363 GCTCGCGCTGAGATGCTCGCGATGCGCTGGGGTGCGCTGCGCGCTGCACTGGC 412
67 aGInGluArgGlyHisGInaspIleValArgTyrLeuArgSerAlaGlyC 84
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413 CCAAGAGCGGGGACATCAAGACATGTCGATATTGGGTTCCGCTGCGTGGGT 462
84 ysserLeuCysserAlaGlyTrpSerLeuCyThrAlaGlyAsnValAla 100
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463 GCTCTTGTGTGCTCGCGCTGGGTGCTGTGTGTACCGCTGGGAAAGTGGCC 512
101 GInThrAspGlyHisSerPheSerSerThrProArgAlaLeuGluLe 117
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513 CAGACCGAGGCGCATGCTCAGCTCAGACGCGCCGCGCTGGAAGT 562
117 UARGlyGInSerGInGInSer 125
563 TCGCGGCCAATCCCAAGACAGAGC 587

seq_name: /cgn2_6/plodata/1/lna/5B_COMB.seq:US-08-627-610-5
seq_documentation_block:
: Sequence 5, Application US/08627610
: Patent No. 5919997
: GENERAL INFORMATION:
: APPLICANT: Beach, David H.
: APPLICANT: Serrano, Manuel
: APPLICANT: Depinho, Ronald A.
: TITLE OF INVENTION: Transgenic Animals Having Modified Cell-Cycle
: NUMBER OF SEQUENCES: 13
: CORRESPONDENCE ADDRESS:
: ADDRESS: LAHIVE & COCKFIELD
: STREET: 60 State Street
: CITY: Boston
: STATE: MA
: COUNTRY: USA
: ZIP: 02109
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Ascii(text)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/627,610
: FILING DATE: 04-APR-1996
: CLASSIFICATION: 800
: ATTORNEY/AGENT INFORMATION:
: NAME: Vincent, Matthew P.
: REGISTRATION NUMBER: 36,709
: REFERENCE/DOCKET NUMBER: CSI-001CP6
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 227-7400
: TELEFAX: (617) 227-5941
: INFORMATION FOR SEQ ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 857 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: both
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 82..582
: US-08-627-610-5

alignment_scores:
Quality: 658.00 Length: 125
Ratio: 5.264 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

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258 AGATTCGAACTCCGAGACCCACACTACTCTCCGCGCGGTCGACGACG 307
34 laalarglulglypheleuaspthrleuvalleuHISglYserGly 50
  |||
308 CAGCCGGGGAAGGCTTCTGACACGCTGTGTCTGACAGGGGTCAGGG 357
51 Alaargleuaspyalargaspalatrpglyargleuproleuaspleua 67
  |||
358 GCTCGGCTGGATGTGCGCATCCCTGGGGTCCGCGCTCGACTTGGC 407
67 aglngluargglyhisglnaspilievalargtyrleuargseralaglyc 84
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508 CAGACCGGAGGGCATAGCTTCAAGTCACAGCAGCCGAGGCGCTGAACT 557
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558 TCGCGCGCAATCCCAAGACGACAGAC 582
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seq_documentation_block:
; Sequence 25, Application US/08474177
; Patent No. 5624819
; GENERAL INFORMATION:
; APPLICANT: SKOLNICK, Mark H.
; APPLICANT: Cannon-Albright, Lisa A.
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: GERMLINE MUTATIONS IN THE MMS GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,177
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03537
; FILING DATE: 17-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/251,938
; FILING DATE: 01-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/215,087
; FILING DATE: 18-MAR-1994
; PRIOR APPLICATION DATA:

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; APPLICATION NUMBER: US 08/215,086
; FILING DATE: 18-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,369
; FILING DATE: 14-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/214,582
; FILING DATE: 18-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Timen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-109348-E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 395 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-474-177-25

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  Ratio: 5.235        Gaps: 0
  Percent Similarity: 100.000  Percent Identity: 98.824

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84 ysser 85
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390 GCTCT 394
seq_name: /cgn2_6/ptodata/1/lna/5A_COMB.seq:US-08-487-033-25
seq_documentation_block:
; Sequence 25, Application US/08487033
; Patent No. 5739027
; GENERAL INFORMATION:
; APPLICANT: Kamb, Alexander
; APPLICANT: Skolnick, Mark H.
; TITLE OF INVENTION: MMS1-Beta GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000

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Mon Aug 27 09:42:46 2001

us-09-016-869a-6.p2n.rni

Page 11

City: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Versio
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,033
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24864-109348-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 395 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO

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alignment_scores:
  Quality: 445.00      Length: 85
  Ratio: 5.235         Gaps: 0
Percent Similarity: 100.000  Percent Identity: 98.824
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alignment_block:

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34 laaIaIatggtIugIyPheIeuAspThrIeuValValIeuHisGlySerGly 50
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 67 aglmgluatrglylnhlsGlnAspIleValArgTyrIleuArgSerAlaClyc 84
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 |||||
 390 GCTCT 394

D

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ysSer 85
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GCTCT 394

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